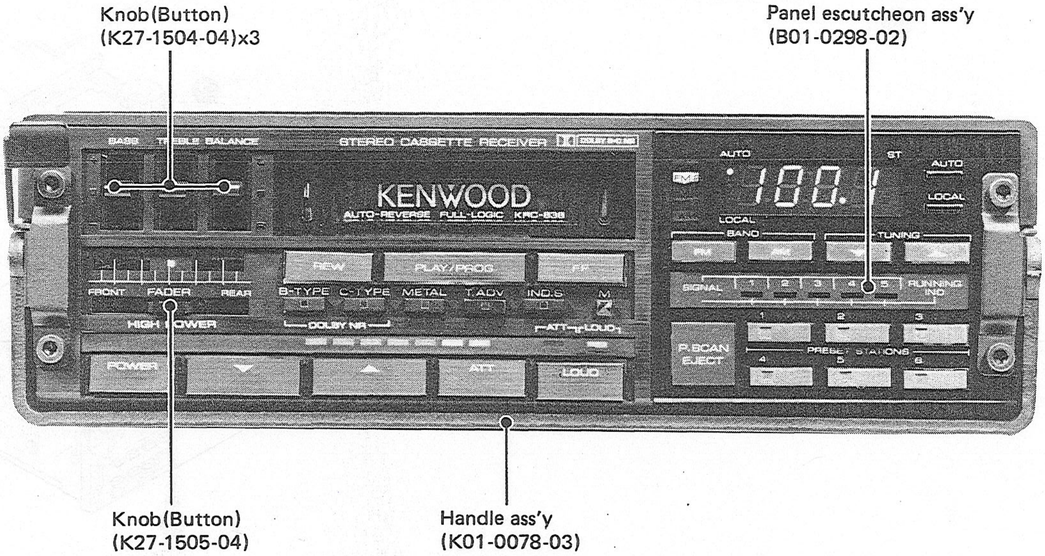
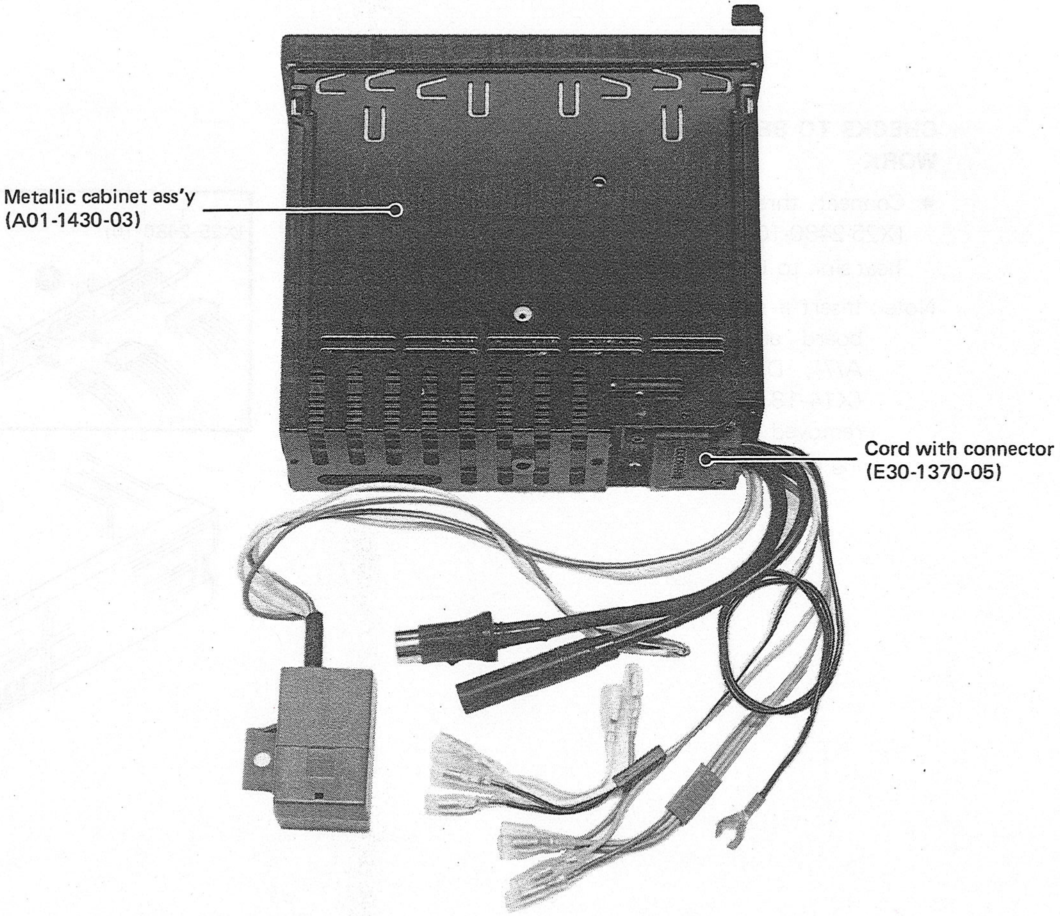
SERVICE MANUAL

KENWOOD

KRC-838

CASSETTE RECEIVER


Knob(Button)
(K27-1504-04)x3
Panel escutcheon ass'y
(B01-0298-02)
BASS TREBLE BALANCE
STEREO CASSETTE RECEIVER
KENWOOD
AUTO-REVERSE FULL-LOGIC KRC-838
AUTO
ST
100.1
LOCAL
BAND
TUNING
SIGNAL
RUNNING IND
P.SCAN EJECT
PRESET STATIONS
REW
PLAY/PROG
FF
B-TYPE C-TYPE METAL T.ADV IND.S
DOLBY NR
FRONT FADER REAR
HIGH POWER
ATT LOUD
POWER
ATT
LOUD
Knob(Button)
(K27-1505-04)
Handle ass'y
(K01-0078-03)

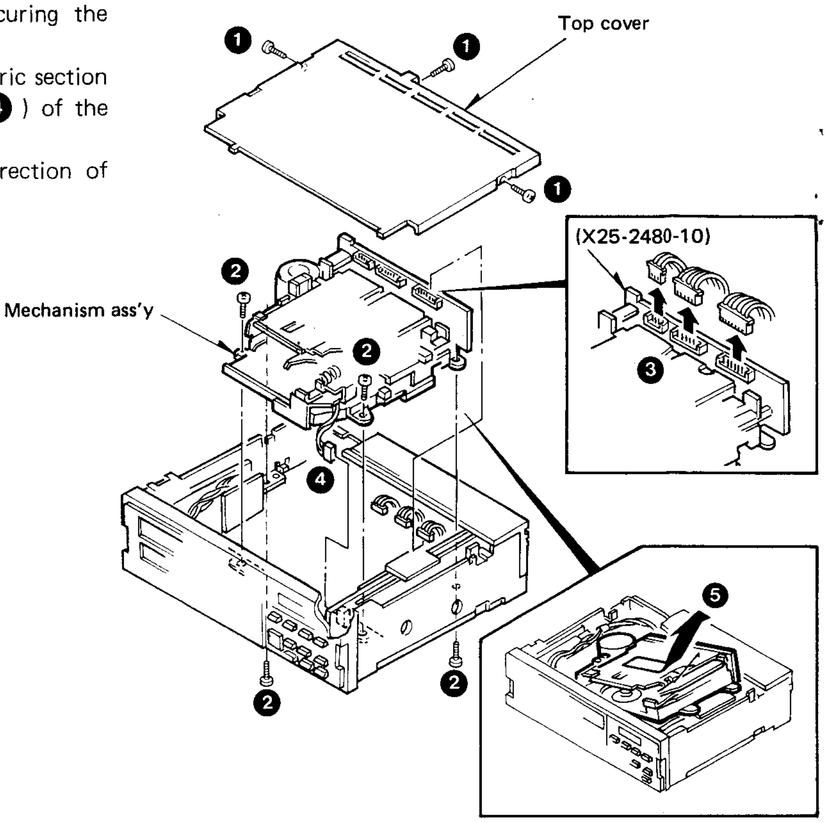

Metallic cabinet ass'y
(A01-1430-03)
Cord with connector
(E30-1370-05)

432

DISASSEMBLY FOR REPAIR

REMOVING THE MECHANISM

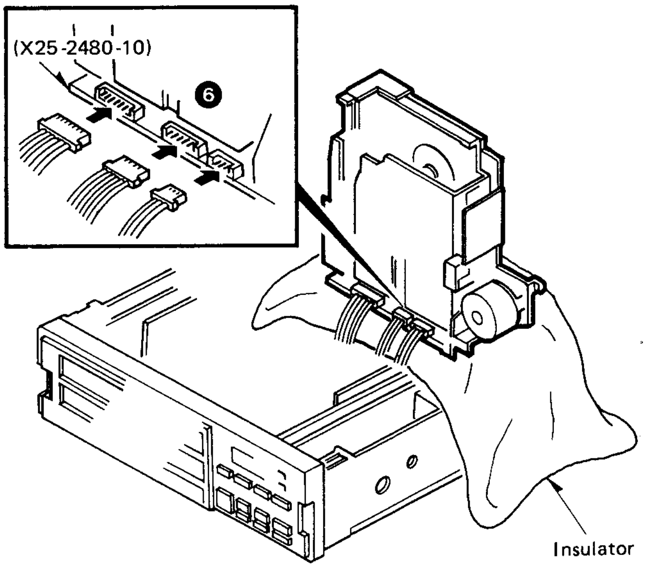
1. Remove three screws (❶) to remove the case.
2. Remove four screws (❷) which are securing the mechanism assembly.
3. Disconnect the connector (❸) of the electric section (X25-2480-10) and the one (Head lead) (❹) of the dolby section (X14-1830-10, B/7).
4. Remove the mechanism assembly in the direction of (❺).



CHECKS TO BE PERFORMED DURING DISASSEMBLY WORK

- Connect three connectors (❻) to electric section (X25-2480-10) and place the electric board on the heat sink to check it.

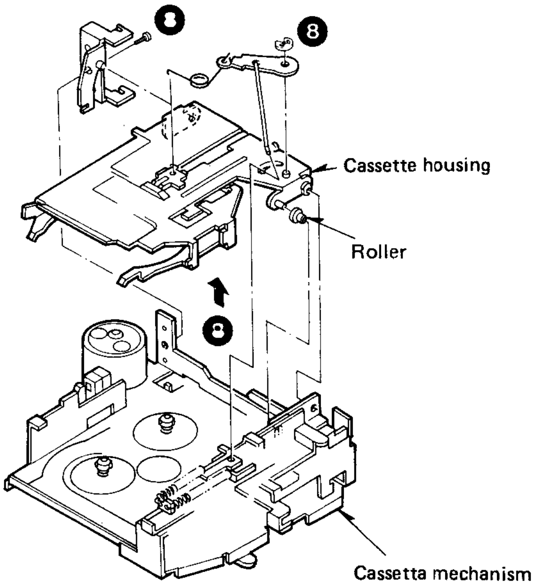
Note : Insert a sheet of insulating paper etc. between the board and heat sink. TUNER (X14-1830-10, A/7), DOLBY (X14-1830-10, B/7), and TONE (X14-1830-10, D/7), etc. can be installed to and removed from the board by connecting/disconnecting the connector.



DISASSEMBLY FOR REPAIR

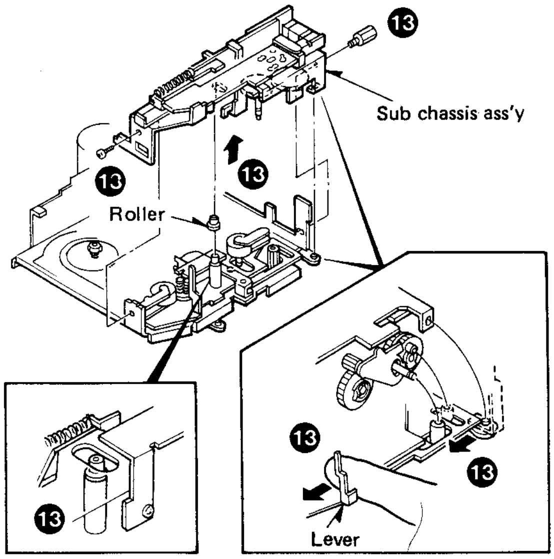
REMOVING THE HEAD

1. Remove screw (❽) to remove the bracket.
2. Remove E-ring (❽) which is securing the holder, and remove the holder together with the torsion spring and rod.
3. Remove cassette housing taking care of the roller (❽).

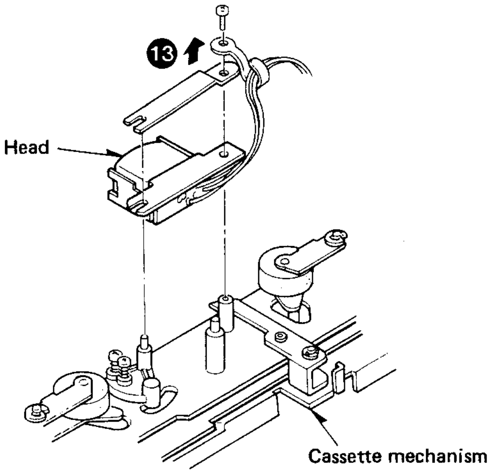

❽
❽
Cassette housing
Roller
❽
Cassetta mechanism

4. Remove screw (⓭) which is securing the sub-chassis assembly, then remove stud (⓭). Remove the sub-chassiss assembly in directions (⓭), (⓭), and (⓭) pressing it forward to prevent it from touching the lever.

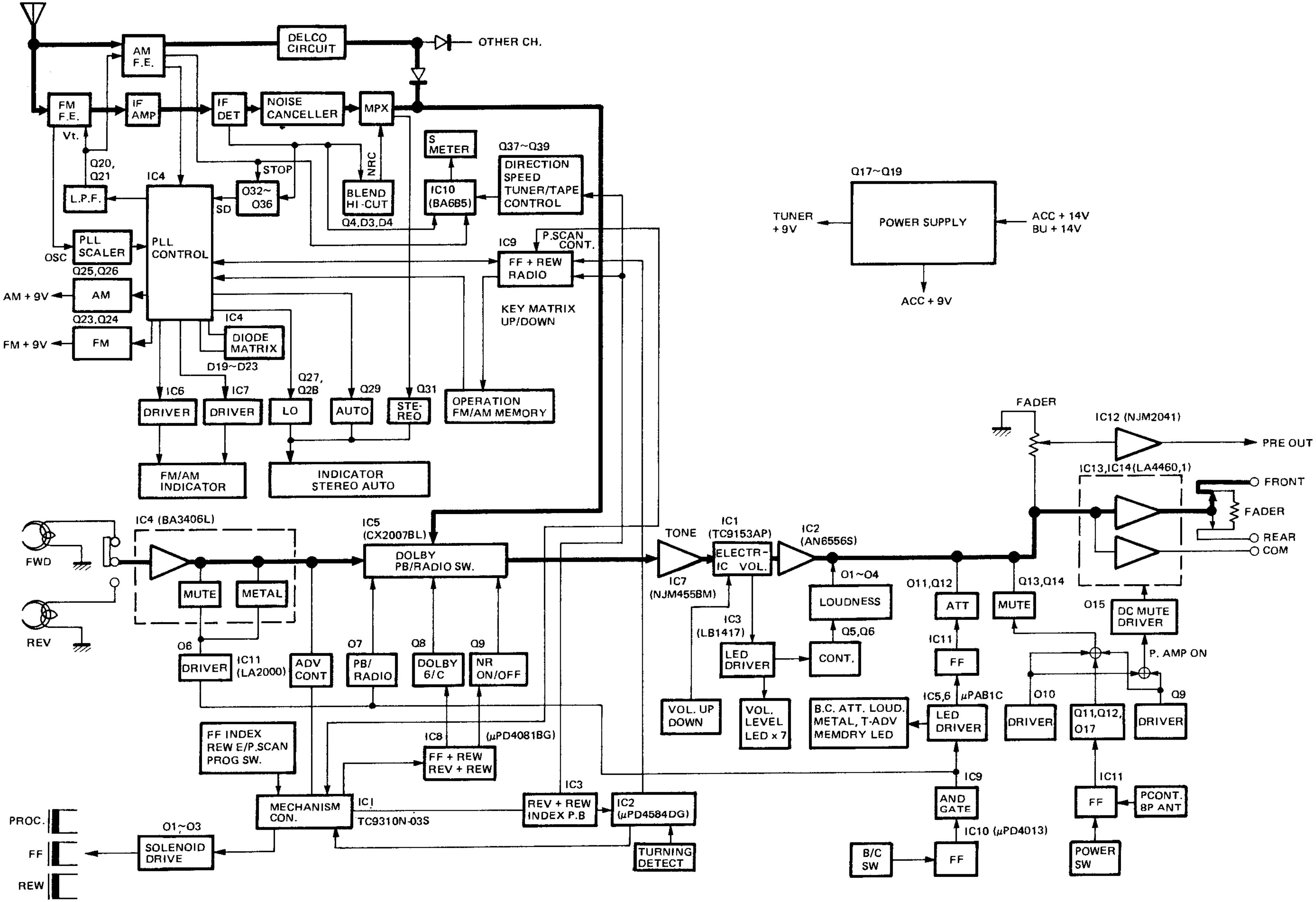
- When installing the sub-chassis assembly, take care of the roller and lever, and install it so that the lever tip (⓭) will be inserteed in the hole of the head switch.


⓭
Sub chassis ass'y
⓭
⓭
Roller
⓭
⓭
⓭
Lever

5. Taking care of the wiring, remove screw (⓭), and remove the head.


⓭
Head
Cassette mechanism

BLOCK DIAGRAM



DELCO CIRCUIT
OTHER CH.
AM F.E.
FM F.E.
Vt.
IF AMP
IF DET
NOISE CANCELLER
MPX
NRC
BLEND HI-CUT
Q4,D3,D4
S METER
IC10 (BA6B5)
Q37~Q39
DIRECTION SPEED TUNER/TAPE CONTROL
Q20, Q21
L.P.F.
IC4
STOP
Q32~Q36
SD
PLL SCALER
OSC
PLL CONTROL
Q25,Q26
AM + 9V
AM
Q23,Q24
FM + 9V
FM
IC9
P.SCAN CONT.
FF + REW RADIO
KEY MATRIX UP/DOWN
IC4
DIODE MATRIX
D19~D23
Q27, Q28
Q29
Q31
IC6
IC7
DRIVER
DRIVER
LO
AUTO
STE-REO
OPERATION FM/AM MEMORY
FM/AM INDICATOR
INDICATOR STEREO AUTO
Q17~Q19
TUNER +9V
POWER SUPPLY
ACC + 14V
BU + 14V
ACC + 9V
FWD
REV
IC4 (BA3406L)
MUTE
METAL
Q6
DRIVER
IC11 (LA2000)
ADV CONT
IC5 (CX2007BL)
DOLBY PB/RADIO SW.
Q7
PB/ RADIO
Q8
DOLBY 6/C
Q9
NR ON/OFF
IC8
(μPD4081BG)
FF + REW REV + REW
FF INDEX REW E/P.SCAN PROG SW.
MECHANISM CON.
IC1
TC9310N-03S
IC3
REV + REW INDEX P.B
IC2 (μPD4584DG)
TURNING DETECT
PROC.
FF
REW
Q1~Q3
SOLENOID DRIVE
TONE
IC7 (NJM455BM)
IC1 (TC9153AP)
ELECTR-IC VOL.
IC2 (AN6556S)
Q1~Q4
LOUDNESS
Q5,Q6
CONT.
IC3 (LB1417)
LED DRIVER
VOL. UP DOWN
VOL. LEVEL LED x 7
B.C. ATT. LOUD. METAL, T-ADV MEMORY LED
Q11,Q12
ATT
IC11
FF
IC5,6
μPAB1C
LED DRIVER
IC9
AND GATE
IC10 (μPD4013)
FF
B/C SW
Q13,Q14
MUTE
Q10
DRIVER
Q11,Q12, Q17
IC11
FF
PCONT. 8P ANT
POWER SW
Q9
DRIVER
Q15
DC MUTE DRIVER
P. AMP ON
FADER
IC12 (NJM2041)
PRE OUT
IC13,IC14(LA4460,1)
FRONT
FADER
REAR
COM

CIRCUIT DESCRIPTION

Functions of elements

SYNTHESIZER (X14-1840-10)

Element	Uses and functions
Q1~Q4	Loudness
Q5~Q7	Loudness control
Q8	ATT drive
Q9	Mute drive
Q10	Muting driver, power-off mute drive at power down
Q11~Q13	Power-on control
Q14	Power control driver
Q15	Power common drive
Q16	SW 5V drive
Q17,Q18	SW 5V control
Q19	B. UP 5.6V drive
Q20,Q21	L.P.F. (PLL)
Q22	ADV control
Q23,Q24	FM + 9V
Q25,Q26	AM + 9V
Q27,Q28	LO indicator
Q29,Q30	AUTO indicator
Q31	STEREO indicator
Q32~Q35	SD drive
Q36	AGC cut
Q37	Tape direction control
Q38	Tape speed control
Q39	RADIO/TAPE changeover
IC1	Electronic volume control.
IC2	Buffer
IC3	LED driver (volume control)
IC4	PLL controller
IC5	LED driver (B.C etc.)
IC6,IC7	Segment driver
IC8	Pre-scaler
IC9	P. SCAN control, key matrix
IC10	Signal meter
IC11	ADV control

RECEIVER (X14-1830-10)

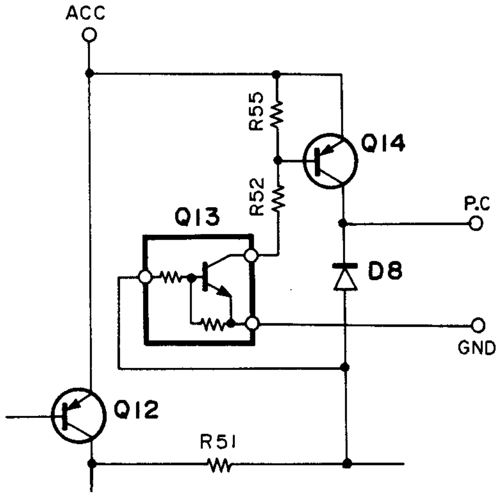
Element	Uses and functions
Q1,Q2	AGC
Q3	IF amplification (f_T = 200MHz)
Q4	NRC
Q6	Muting when changing P.B/RADIO
Q7	P.B/RADIO changeover
Q8	Dolby B/C changeover
Q9	NR ON/OFF changeover
Q10	Muting
Q11,Q12	ATT
Q13,Q14	Mute
Q15	DC mute driver
Q17~Q19	Transistor for power supply
IC1	FM discriminator
IC2	Noise canceller
IC3	MPX (VCO non-adjustment type)
IC4	Equalizer amplifier, time constant changeover for metal tape, muting
IC5	Dolby B/C, NR, P.B/RADIO changeover
IC6	Same as IC5 (pin arrangement is inversed)
IC7	TONE control
IC8,IC9	Logic for tuner call, dolby B/C changeover logic
IC10	Dolby B/C, F.F
IC11	Power SW, F.F
IC12	Pre-out amplifier
IC13,IC14	Power IC

ELECTRIC (X25-2480-10)

Element	Uses and functions
Q1~Q3	Solenoid drive
Q4,Q5	Motor drive
IC1	Mechanism control (Microcomputer)
IC2	Rotation sensor, EJECT/P.SCAN driver, INDEX control
IC3	Logic (P.B FF, REW)

Power control protection (X14-1840-10, B/2)

When the power control line (P.C) is grounded, Q13 is turned OFF by D8 ; Q14 is then turned OFF to protect power control.



CIRCUIT DESCRIPTION

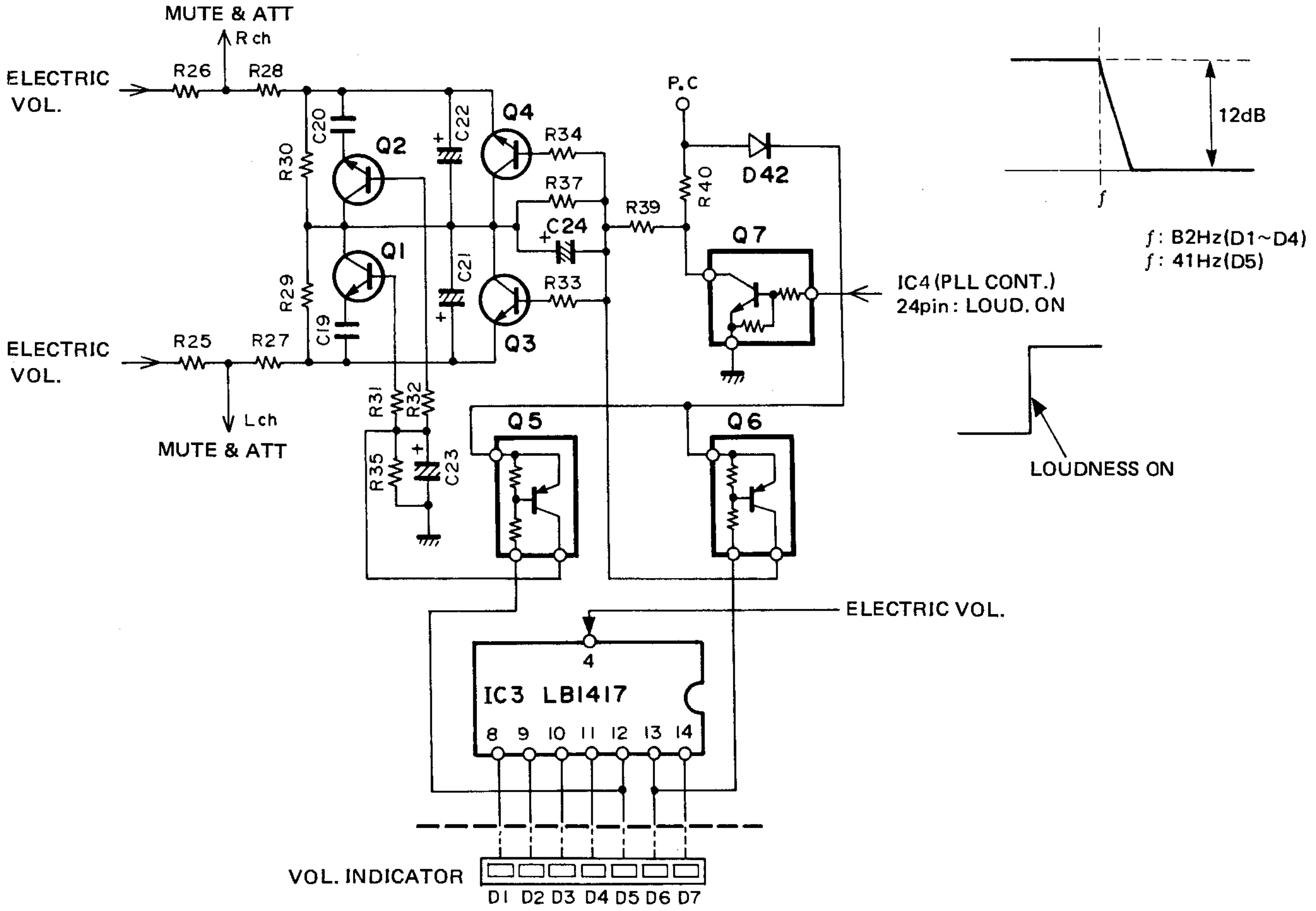
Loudness control (X14-1840-10, B/2)

Electronic volume output allows the VOL level meter to light up ; however, the loudness roll off frequency is set at 80Hz for up to the 4th light-up as in the cases of conventional types and at 40Hz for the 5th light-up so as to soften the effect.

See the transition table on the right for detailed operation.

Transition table

	D1	D2	D3	D4	D5	D6	D7
Q3,Q4,Q6	OFF	◄	—	►	OFF	ON	ON
Q1,Q2,Q5	OFF	◄	►	OFF	ON	ON	ON
LOUDNESS	ON	ON	ON	ON	ON	OFF	OFF

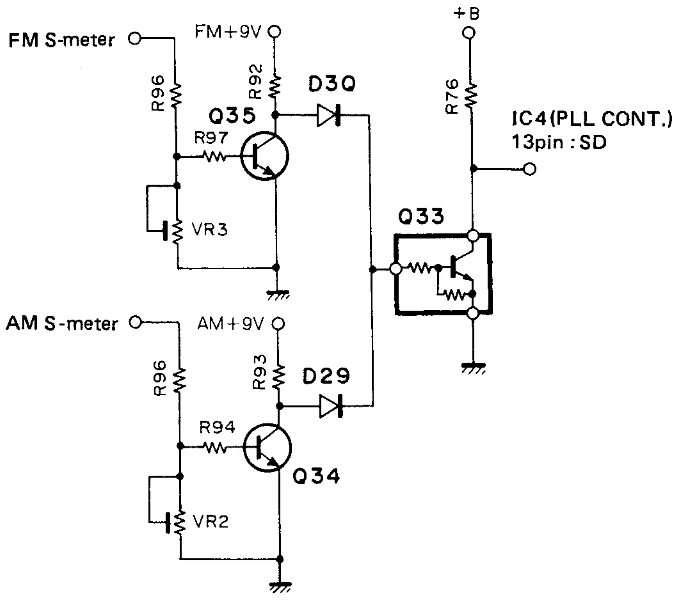


MUTE & ATT
R ch
ELECTRIC VOL.
R26
R28
R30
C20
Q2
C22
Q4
R34
R37
C24
R39
P.C
D42
R40
Q7
Q1
R29
C21
Q3
R33
C19
ELECTRIC VOL.
R25
R27
L ch
MUTE & ATT
R31
R32
R35
C23
Q5
Q6
IC4 (PLL CONT.)
24pin : LOUD. ON
12dB
f
f : 82Hz(D1~D4)
f : 41Hz(D5)
LOUDNESS ON
ELECTRIC VOL.
4
IC3 LB1417
8 9 10 11 12 13 14
VOL. INDICATOR
D1 D2 D3 D4 D5 D6 D7

Autometic stop circuit (X14-1840-10, B/2)

In FM mode, the output of S-meter of IC is adjusted with VR3 to turn on Q35. then, Q33 is turned off, and its collector is set to "H", level, and SD terminal (13 pin) of microcomputer IC4 is also set to "H" level to stop selecting a station.

In AM mode, the terminal SD of the AM tuner ass'y (W02-0608-05) is adjusted with VR2 to turn on Q34.

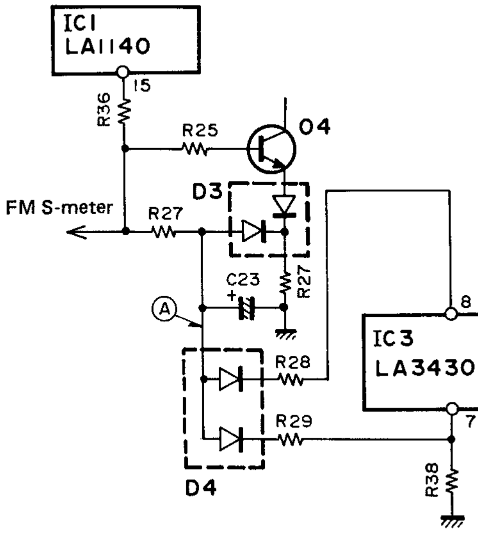


FM S-meter
FM+9V
R96
R92
D30
Q35
R97
VR3
+B
R76
IC4 (PLL CONT.)
13pin : SD
Q33
AM S-meter
AM+9V
R96
R93
D29
R94
Q34
VR2

CIRCUIT DESCRIPTION

Noise reduction (X14-1830-10, A/7)

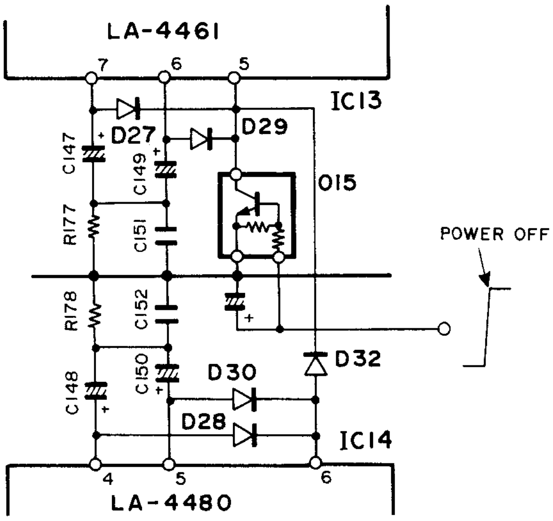
The signal level of S-meter is detected, and if the radio wave becomes weak, the STEREO → MONO (8 pin of IC : LA3430) and the high-cut filter (7 pin) are operated. Transistor Q4 is installed so that the voltage at (A) will drops suddenly when the signal level lowers near 1.2V.


IC1
LA1140
15
R36
R25
Q4
D3
FM S-meter
R27
C23
R27
Ⓐ
8
IC3
LA3430
R28
R29
7
D4
R38

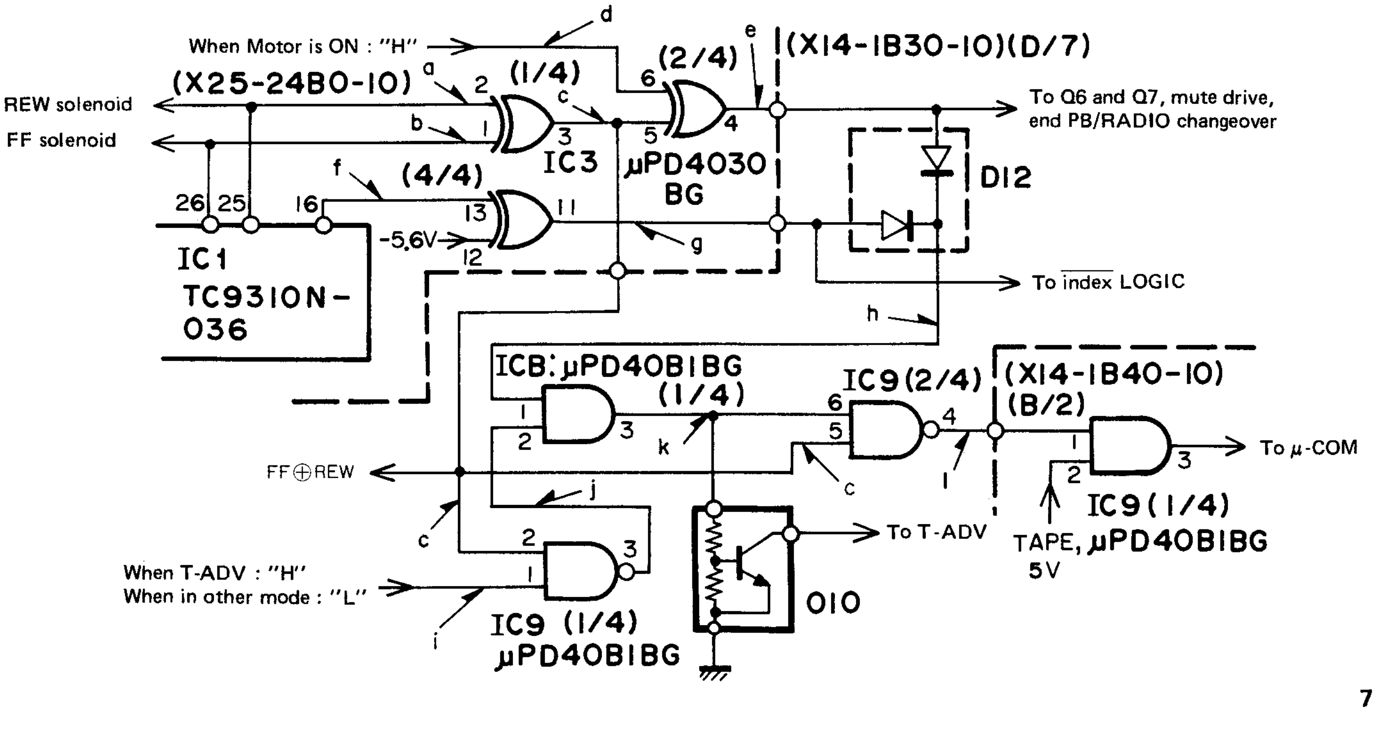
Power amplifier muting (X14-1830-10, G/7)

D27~D30 are used to reduce the shock noises made when ACC or the power switch is turned on again. It absorbs the rest of charge used for NF and amplifier on inversed side.

D32 is used to prevent the offsetting made when a potential difference is made between the DC mute terminals 5 pin and 6 pin of IC13 : LA4461 and IC14 : LA4460 and both terminals are connected directly to each other.


LA-4461
7
6
5
IC13
D27
D29
C147
C149
Q15
R177
C151
POWER OFF
R178
C152
C148
C150
D30
D32
D28
IC14
4
5
6
LA-4480

Logic circuit and mechanism operation


When Motor is ON : "H"
d
e
(X25-24B0-10)
a
2
(1/4)
(2/4)
6
(X14-1B30-10)(D/7)
REW solenoid
FF solenoid
b
1
c
3
5
4
To Q6 and Q7, mute drive, end PB/RADIO changeover
IC3
μPD4030BG
f
(4/4)
D12
26
25
16
13
11
-5.6V
12
g
IC1
TC9310N-036
To index LOGIC
h
ICB: μPD40B1BG (1/4)
1
2
3
k
IC9 (2/4)
6
5
4
(X14-1B40-10) (B/2)
1
2
3
To μ-COM
FF⊕REW
c
l
j
c
2
3
1
To T-ADV
IC9 (1/4)
TAPE, μPD40B1BG
5V
When T-ADV : "H"
When in other mode : "L"
i
IC9 (1/4)
μPD40B1BG
Q10

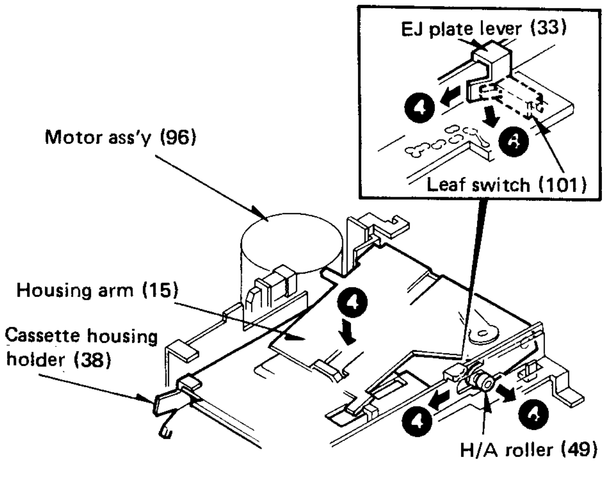
CIRCUIT OESCRIPTION/MECHANISM OPERATION

	STOP	PLAY	FF	REW	Explnation
a	L	H	L	H	REW solenoid drive
b	L	H	H	L	FF solenoid drive
c	L	L	H	H	When FF or REW : "H", and when in other modes : "L".
d	L	H	H	H	Motor on
e	L	H	L	L	Mute drive, P.B/RADIO changeover
f					When INDEX SCAN : "H", LED drive
g (f)	L	L	L	L	INDEX LOGIC { When INDEX SCAN : "L" When in other modes : "H"
g (f)	H	H	H	H	
h (f)	L	H	L	L	
h (f)	H	H	H	H	
i					When T.ADV : "H", when in other modes : "L"
j (i)	H	H	L	L	
j (i)	H	H	H	H	
k (fi)	L	H	L	L	Ⓐ When IND. S and T. ADV : } Detection of interval between musics
k (fi)	L	H	L	L	Ⓑ When IND.S :
k (fi)	H	H	L	L	Ⓒ When T. ADV :
k (fi)	H	H	H	H	Ⓓ Inhibition of music selection in normal FF and REW modes
l Ⓐ	H	H	H	H	When tuner call mode : "L", When in other modes : "H"
l Ⓑ	H	H	H	H	
l Ⓒ	H	H	H	H	
l Ⓓ	H	H	L	L	Tuner call is performed when in normal FF and REW modes.

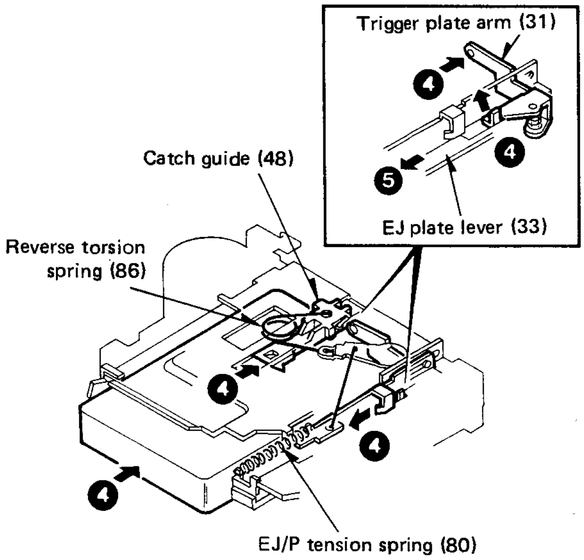
MECHANISM OPERATION

1. Loading

If the cassette tape is pressed by the finger, the catch guide (48) is pushed in and the reverse torsion spring (86) is set on the loading side. If the cassette is pushed into the end, the trigger plate arm (31) rotates and the EJ plate lever (33) is released. Then, EJ/P tension spring (80) pulls the EJ plate lever (33) and the housing arm (15) and cassette housing holder (38) are pushed down through the H/A roller (49). The head plate (803) is also moved to the mode plate lever ass'y (9). The leaf switch (101) is also pressed. At this time, the plunger solenoid (103) is turned on and the motor ass'y (95) rotates.


EJ plate lever (33)
❹
❹
Leaf switch (101)
Motor ass'y (96)
Housing arm (15)
Cassette housing holder (38)
❹
❹
❹
H/A roller (49)

Note : The number in the parentheses refer to the Ref. Nos. in the exploded view. (P.17)


Trigger plate arm (31)
❹
❹
❺
EJ plate lever (33)
Catch guide (48)
Reverse torsion spring (86)
❹
❹
❹
EJ/P tension spring (80)

MECHANISM OPERATION

2. PLAY

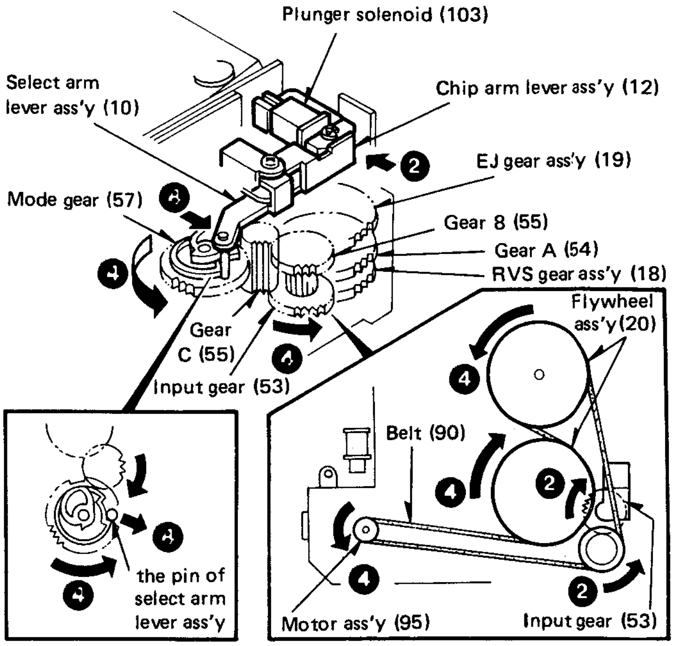
The rotation of the motor ass'y (95) is transmitted through the belt (90) to the flywheel ass'y (20) to rotate the input gear (53). Next, gear A (54), gear B (55), and gear C (56) rotate. Then, the EJ gear ass'y (19) rotates to move the select arm lever ass'y (10) to the plunger solenoid (104, 105) side. As the result, the chip arm lever ass'y (12) is attracted by the plunger solenoid (103).

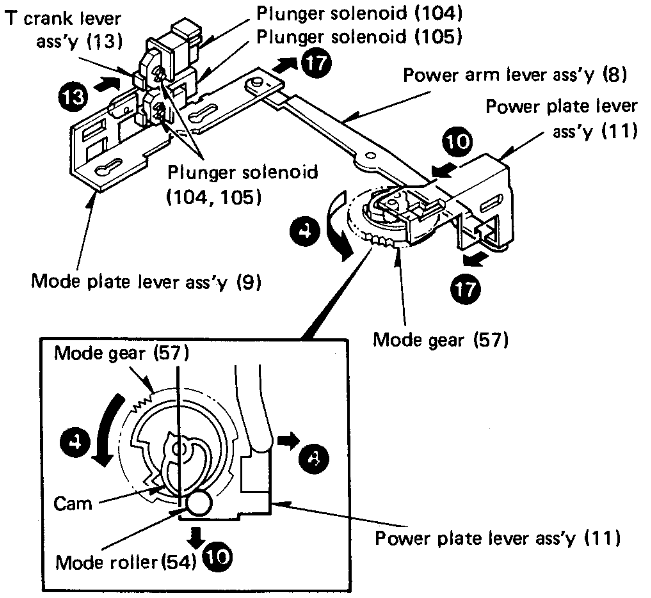
The other pin of the select arm lever ass'y (10) releases the mode gear (57). The mode gear (57) is rotated by gear C (56), and the power plate lever ass'y (11) is moved forward by the cam of the mode gear (57) through the mode roller (64). At the same time, the mode plate lever ass'y (9) is moved backward through the power arm lever ass'y (8). The mode plate lever ass'y (9) is attracted by the FF and REW solenoid (104, 105) through the T crank lever ass'y (13).

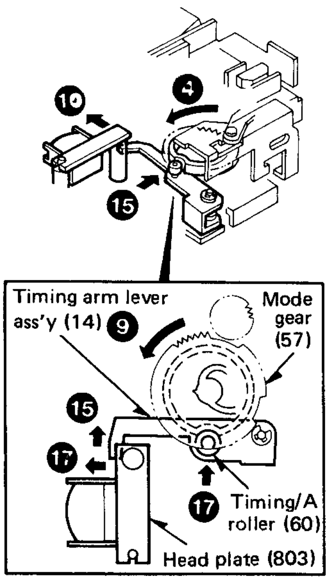
After the above operation, timing/A roller (60) of the timing arm lever ass'y (14) under the mode gear (57) is put in the groove of the cam of mode gear (57) to lock the gear. By this operation of the timing arm lever ass'y (14), the head plate (803) is pulled by the H/P tension spring (72) to the PLAY position.

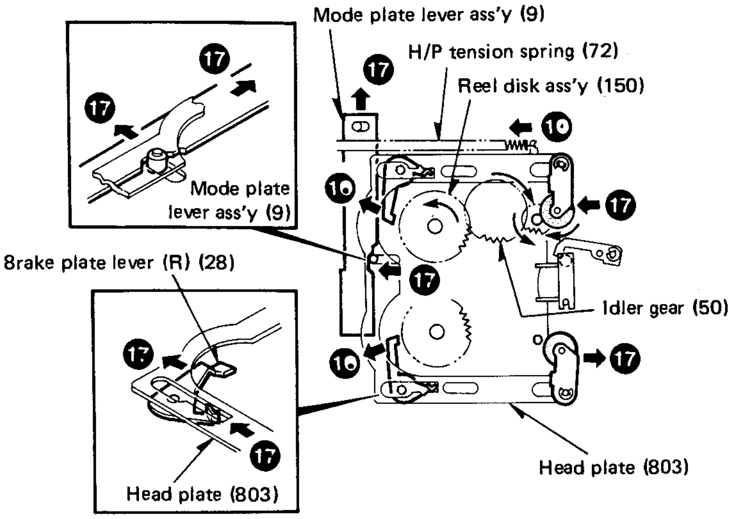
The rotation of the flywheel ass'y (20) is transmitted from the inside gear to the idler gear (50) and reel disk ass'y (150). The brake plate levers (27, 28) applied to the reel disk ass'y (150). The brake plate levers (27, 28) applied to the reel disk ass'y (150) has been released by the head plate. In the PLAY mode, the mode gear (57), EJ gear ass'y (19), and RVS gear ass'y (18) are locked by the notches.

Note : If the power tension spring (84) is removed, the mechanism can be checked easily.


Plunger solenoid (103)
Select arm lever ass'y (10)
Chip arm lever ass'y (12)
EJ gear ass'y (19)
Mode gear (57)
Gear 8 (55)
Gear A (54)
RVS gear ass'y (18)
Flywheel ass'y(20)
Gear C (55)
Input gear (53)
Belt (90)
the pin of select arm lever ass'y
Motor ass'y (95)
Input gear (53)


T crank lever ass'y (13)
Plunger solenoid (104)
Plunger solenoid (105)
Power arm lever ass'y (8)
Power plate lever ass'y (11)
Plunger solenoid (104, 105)
Mode plate lever ass'y (9)
Mode gear (57)
Mode gear (57)
Cam
Mode roller(54)
Power plate lever ass'y (11)


Timing arm lever ass'y (14)
Mode gear (57)
Timing/A roller (60)
Head plate (803)


Mode plate lever ass'y (9)
H/P tension spring (72)
Reel disk ass'y (150)
Mode plate lever ass'y (9)
8rake plate lever (R) (28)
Idler gear (50)
Head plate (803)
Head plate (803)

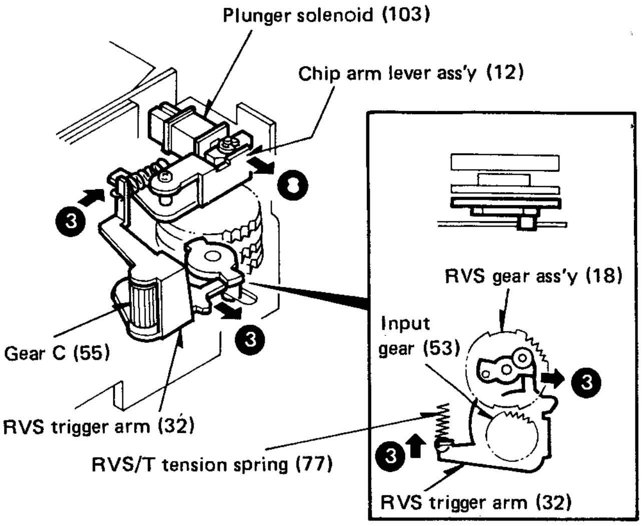
MECHANISM OPERATION

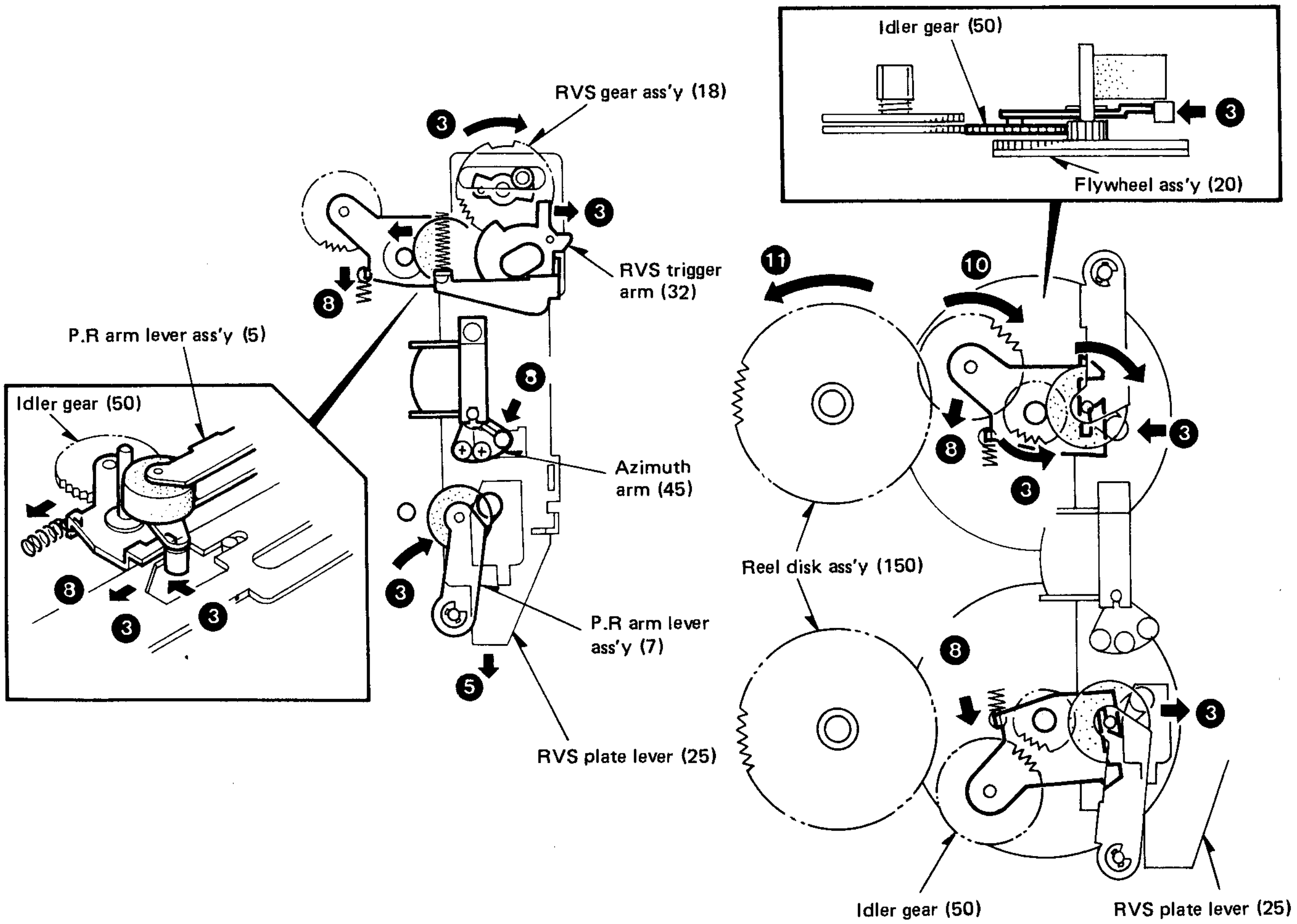
3. PROG.

If the program button is pressed, the plunger solenoid (103) is turned off and the chip arm lever ass'y (12) is moved outward. At the same time, the RVS trigger arm (32) releases the RVS gear ass'y (18) through the RVS/T tension spring (77).

Then, the RVS gear ass'y (18) is rotated a half turn by the input gear (53), and the RVS plate lever (25) is moved. At this time, the RVS trigger arm (32) is set to the lock side by the RVS gear ass'y (18), then the chip arm lever ass'y (12) is attracted again by the plunger solenoid (103) because of the force of the chip arm tension spring (78).

The RVS plate lever (25) moves the head slide switch (102), azimuth arm (46), and P.R arm lever ass'y (6, 7). The P.R arm lever ass'y (6, 7) moves the idler gear (50) through the idler gear arm of the main chassis ass'y (801).


Plunger solenoid (103)
Chip arm lever ass'y (12)
3
3
3
RVS gear ass'y (18)
Input gear (53)
3
3
Gear C (55)
RVS trigger arm (32)
RVS/T tension spring (77)
RVS trigger arm (32)

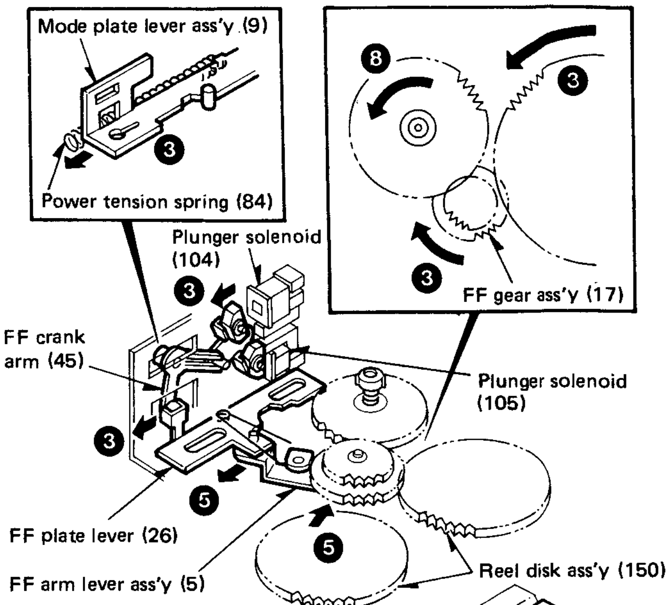

Idler gear (50)
3
Flywheel ass'y (20)
RVS gear ass'y (18)
3
3
RVS trigger arm (32)
8
P.R arm lever ass'y (5)
Idler gear (50)
8
3
3
Azimuth arm (45)
3
P.R arm lever ass'y (7)
5
RVS plate lever (25)
11
10
8
3
3
Reel disk ass'y (150)
8
3
Idler gear (50)
RVS plate lever (25)

MECHANISM OPERATION

4. FF/REW

If FF or REW button is pressed, the plunger solenoid (104) or (105) is turned off depending on the direction of PLAY, and the T crank lever ass'y (13) is rotated by the force of the power tension spring (84). At this time, the head plate (803) is moved a little backward by the movement of the mode plate lever ass'y (9). The FF crank arm (45) is rotated by the T crank lever ass'y (13) to slide the FF plate lever (26) and rotate the FF arm lever ass'y (5). Then, the rotation of the flywheel ass'y (20) is transmitted to the reel disk ass'y (150) through the FF gear ass'y (17).

If the PLAY/PROG. button is pressed, both plunger solenoid (104, 105) are turned off and the head plate (803) is returned to the position after the loading, then it is reset to the PLAY mode by the rotation of the motor ass'y (95). The tape advancing and index scanning operation is performed similarly.


Mode plate lever ass'y (9)
❸
Power tension spring (84)
❽
❸
❸
FF gear ass'y (17)
Plunger solenoid (104)
❸
FF crank arm (45)
Plunger solenoid (105)
❸
❺
FF plate lever (26)
❺
FF arm lever ass'y (5)
Reel disk ass'y (150)

5. Automatic reverse

the rotation is sensed by the photo-reflector on the back side of the reel push gear ass'y (16) of the reel disk ass'y (150). The sensed signal is input to the mechanism control IC to start the program.

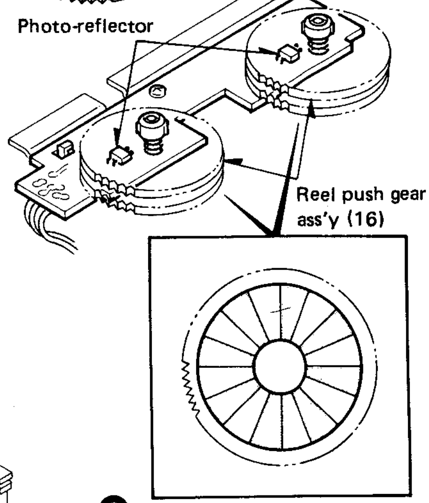
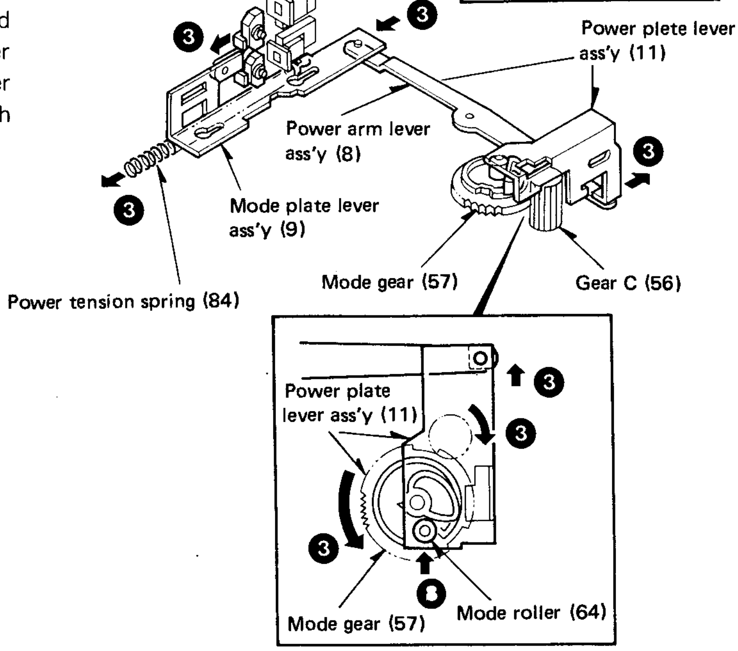


Photo-reflector
Reel push gear ass'y (16)

6. Eject

If the eject button is pressed, all the plunger solenoid are turned off. The head plate (803) is moved backward by the force of the power tension spring (84). The power plate lever ass'y (11) is pushed back through the power arm lever ass'y (8), and the mode gear (57) is meshed with gear C (56) by the mode roller (64).


❸
❸
Power plete lever ass'y (11)
Power arm lever ass'y (8)
❸
❸
Mode plate lever ass'y (9)
Power tension spring (84)
Mode gear (57)
Gear C (56)
Power plate lever ass'y (11)
❸
❸
❸
Mode gear (57)
Mode roller (64)

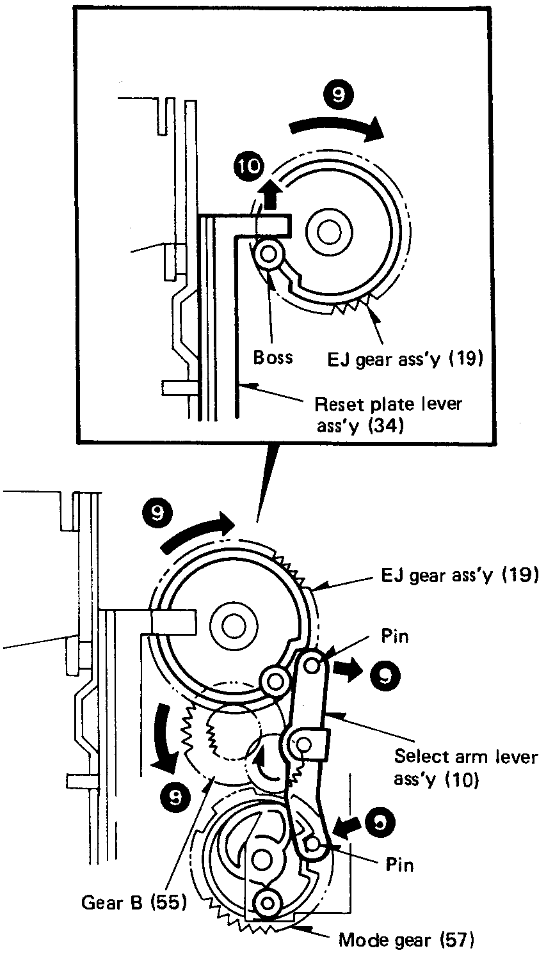
MECHANISM OPERATION

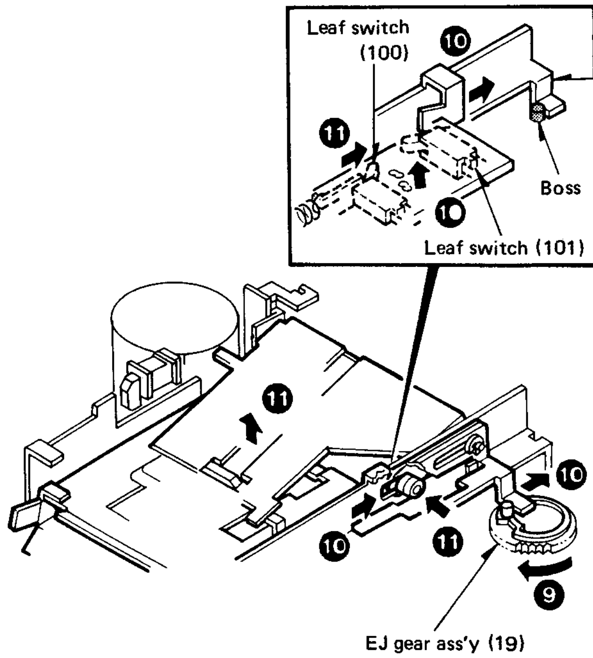
The mode gear (57) is rotated and the pin of the select arm lever ass'y (10) is put in the groove of the peripheral cam of the mode gear. Then, the EJ gear ass'y (19) is meshed with gear B (55) and rotated by releasing the other pin of the select arm lever ass'y (10). The reset plate lever ass'y (34) is moved back by the upper boss of the EJ gear ass'y (19) to turn on the leaf switch (100) for ejection to turn on the motor.

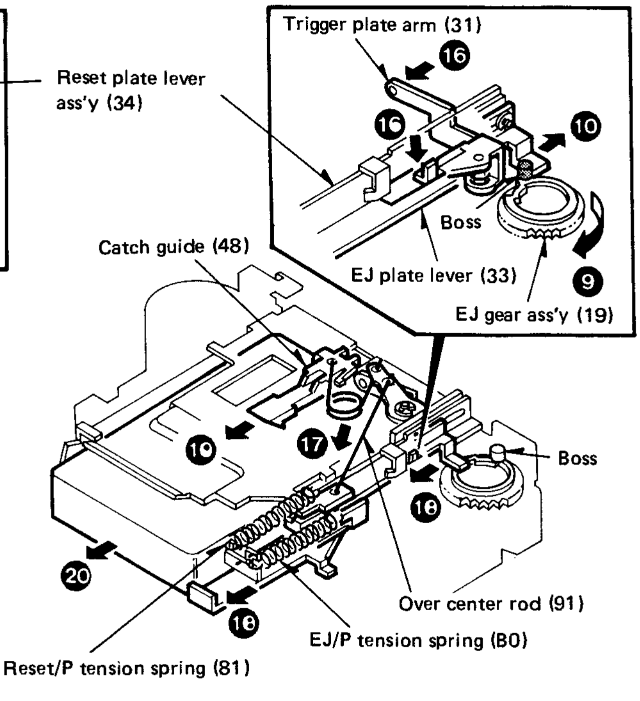
At the same time, the EJ plate lever (33) is also moved back and fixed to the trigger plate arm (31) through the tension spring (87) for preventing an overload. While the reset plate lever ass'y (34) is moving back, the catch guide (48) is pushed forward through the over center rod (91). At this time, the cassette housing holder (38) is lifted by the EJ plate lever (33).

Then, the EJ gear ass'y (19) rotates. When its boss is parted from the reset plate lever ass'y (34), the reset plate lever ass'y (34) is returned to the forward position by the reset/P tension spring (81). At this time, the over center rod (91) is pulled, and the catch guide (48) is moved forward to discharge the cassette.

Even if the power switch is turned off, the loading operation can be performed, but the mechanism is set to the ejection mode immediately, because the loading mechanism is turned on by the leaf switch (101) and the motor is turned on by the leaf switch (100) to start the ejection operation.


⑨
⑩
Boss
EJ gear ass'y (19)
Reset plate lever ass'y (34)
⑨
EJ gear ass'y (19)
Pin
⑨
Select arm lever ass'y (10)
⑨
⑨
Pin
Gear B (55)
Mode gear (57)


Leaf switch (100)
⑩
⑪
Boss
⑩
Leaf switch (101)
⑪
⑩
⑩
⑪
⑨
EJ gear ass'y (19)

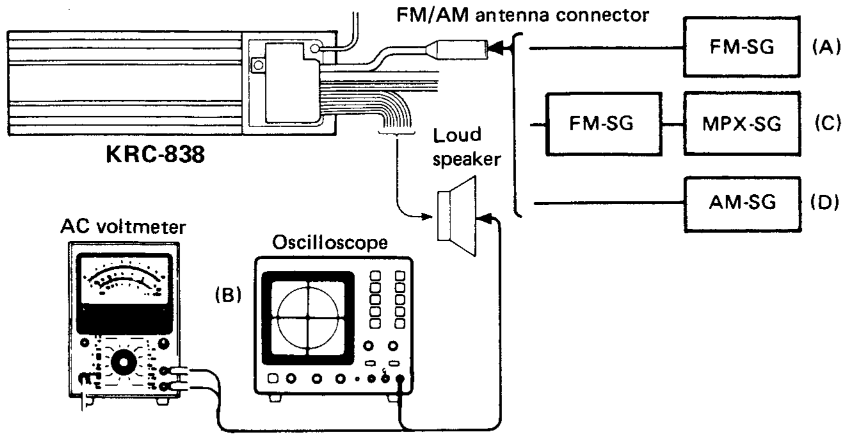

Reset plate lever ass'y (34)
Trigger plate arm (31)
⑯
⑯
⑩
Boss
Catch guide (48)
EJ plate lever (33)
⑨
EJ gear ass'y (19)
⑲
⑰
Boss
⑱
⑳
⑱
Over center rod (91)
EJ/P tension spring (80)
Reset/P tension spring (81)

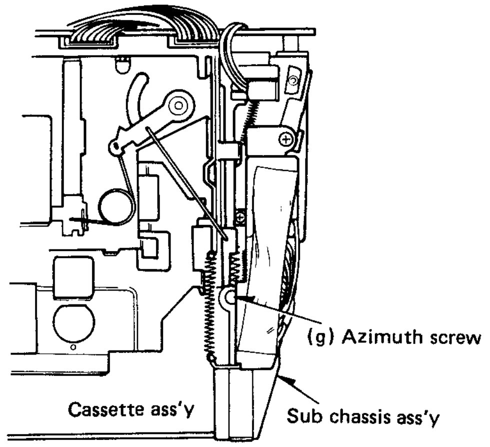
ADJUSTMENT

Set the controls and switches as follows.

BALANCE	:center position	LOUD	:OFF	LOCAL	:OFF
FADER	:center position	T・ADV	:OFF	AUTO	:OFF
BASS	:center position	METAL	:OFF		
TREBLE	:center position	DOLBY NR	:OFF		

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER(RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 1kHz,±75kHz dev 60dB(ANT input)	Connect a DC voltmeter to CN4. (X14-183)	FM 98.1MHz	T1 (X14-183)	0V	(a)
2	PILOT CANCELLER	(C) 98.1MHz 0dev Pilot:±7.5kHz dev 60dB(ANT input)	(B)	FM 98.1MHz	VR2 (X14-183)	Minimum output	(b)
3	SEPARATION	(C) 98.1MHz 1kHz,±68.25kHz dev Selector:L or R Pilot:±6.75kHz dev 60dB(ANT input)	(B)	FM 98.1MHz	VR1 (X14-183)	Minimum crosstalk. A compromise adjustment may be required if left-to-right and right-to-left separations are unequal.	(c)
4	STOP LEVEL	(A) 98.1MHz 1kHz,±75kHz dev 20dB(ANT input)	–	FM AUTO:ON 98.1MHz	VR3 (X14-184)	STOP	(d)
AM SECTION							
(1)	STOP LEVEL	(D) 990kHz 400Hz,30% mod 35dB(ANT input)	–	AM AUTO:ON 990kHz	VR2 (X14-184)	STOP	(e)
CASSETTE DECK SECTION							
[1]	PLAYBACK LEVEL	MTT-150	Connect a AC voltmeter to TP4(L) and TP5(R). (X14-183)	TAPE PLAY	VR3 (L) VR4 (R) (X14-183)	245mV	(f)
[2]	AZIMUTH	MTT-114(10kHz)	(B)	TAPE PLAY	Head Azimuth Screw	Adjust so that the output levels of the forward and reverse left and right channels are all maximum and identical.	(g)


FM/AM antenna connector
KRC-838
Loud speaker
FM-SG
(A)
FM-SG
MPX-SG
(C)
AM-SG
(D)
AC voltmeter
Oscilloscope
(B)

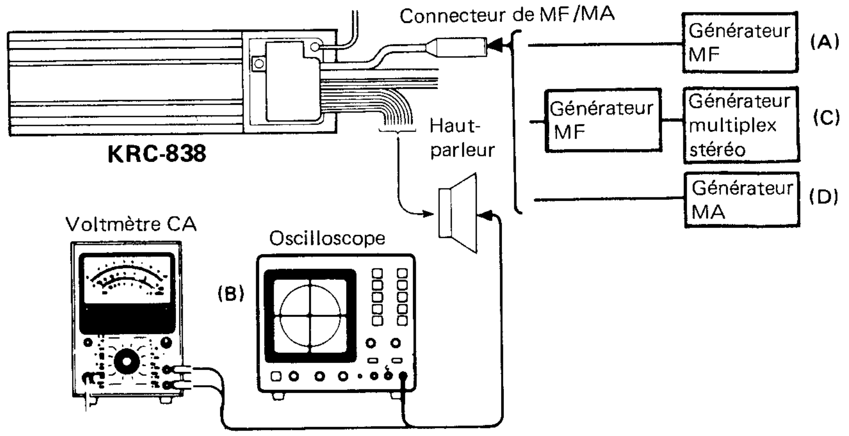

(g) Azimuth screw
Cassette ass'y
Sub chassis ass'y

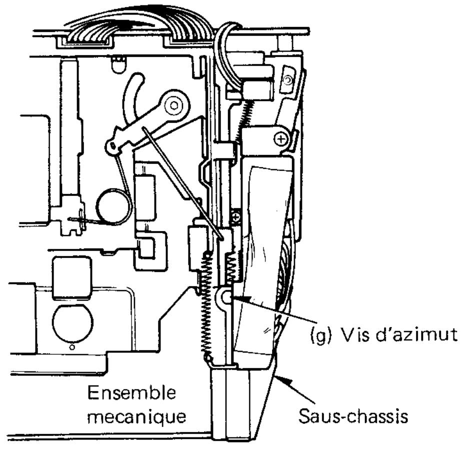
REGLAGE

Régler les controles et les boutons comme suit.

BALANCE	:position centre	LOUD	:OFF	LOCAL	:OFF
FADER	:position centre	T・ADV	:OFF	AUTO	:OFF
BASS	:position centre	METAL	:OFF		
TREBLE	:position centre	DOLBY NR	:OFF		

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI-TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF							
1	DISCRIMINATEUR	(A) 98,1MHz 1kHz.±75kHz dév 60dB(Entrée ANT)	Connecter un voltmètre CC entre à CN4. (X14-183)	FM 98,1MHz	T1 (X14-1660)	0V	(a)
2	SUPPRESSION DE SIGNAL PILOTE	(C) 98,1MHz 0dév Pilote:±7,5kHz dév 60dB(Entrée ANT)	(B)	FM 98,1MHz	VR2 (X14-183)	Sortie minimale	(b)
3	SEPARATION	(C) 98,1MHz 1kHz.±68,25kHz dév Selecteur:L ou R Pilote:±6,75kHz dév 60dB(Entrée ANT)	(B)	FM 98,1MHz	VR1 (X14-183)	Diaphone minimale. Un compromis de réglage peut être nécessaire si les séparations de gauche à droite et de droite à gauche sont inégales.	(c)
4	NIVEAU D'ARRET	(A) 98,1MHz 1kHz.±75kHz dév 20dB(Entrée ANT)	–	FM AUTO:ON 98,1MHz	VR4 (X14-183)	ARRET	(d)
SECTION MA							
(1)	NIVEAU D'ARRET	(D) 990kHz 400Hz. 30% mod 35dB(Entrée ANT)	–	AM AUTO:ON 990kHz	VR2 (X14-184)	ARRET	(e)
SECTION DU MAGNETPHONE							
[1]	NIVEAU DE LECTURE	MTT-150	Connecter un voltmètre CA les TP4(G) et TP5(D). (X14-183)	Lecture bande	VR3 (G) VR4 (D) (X14-184)	245mV	(f)
[2]	AZIMUTH	MTT-114 (10kHz)	(B)	Lecture bande	Vis d'azimut de tete	Régler en sorte que les niveaux de sortie des canaux de l'avance de gauche et de droite et des canaux marchearrière de gauche et de droite soient tous au maximum et identiques.	(g)


Connecteur de MF/MA
KRC-838
Haut-parleur
Générateur MF
(A)
Générateur MF
Générateur multiplex stéréo
(C)
Générateur MA
(D)
Voltmètre CA
Oscilloscope
(B)


(g) Vis d'azimut
Ensemble mecanique
Saus-chassis

Die Re
BALAN
FADER
BASS
TREBL

NR.
UK
1
2
3
4
MW
(1)
CA
[1]
[2]

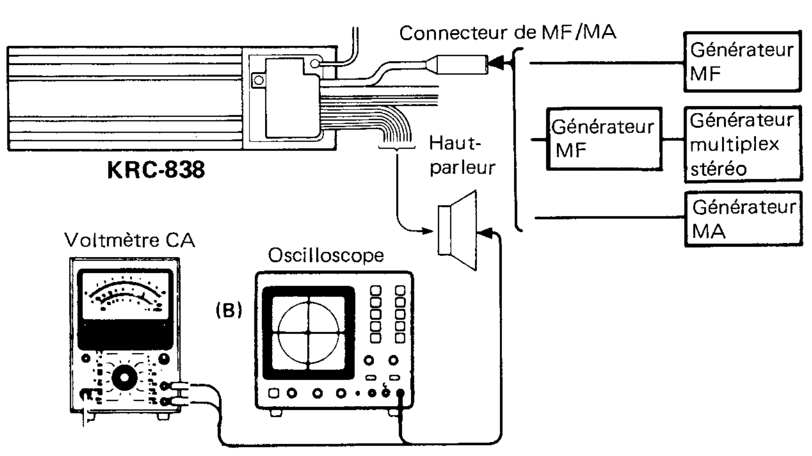
Wech

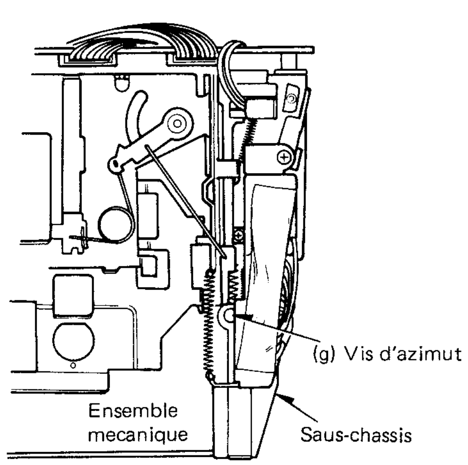
REGLAGE

Régler les controles et les boutons comme suit.

BALANCE	:position centre	LOUD	:OFF	LOCAL	:OFF
FADER	:position centre	T・ADV	:OFF	AUTO	:OFF
BASS	:position centre	METAL	:OFF		
TREBLE	:position centre	DOLBY NR	:OFF		

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DU TUNER (AMPLI-TUNER)	POINTS DE L'ALIGNEMENT	ALIGNER POUR	FIG.
SECTION MF							
1	DISCRIMINATEUR	(A) 98,1MHz 1kHz.±75kHz dév 60dB(Entrée ANT)	Connecter un voltmètre CC entre à CN4. (X14-183)	FM 98,1MHz	T1 (X14-1660)	0V	(a)
2	SUPPRESSION DE SIGNAL PILOTE	(C) 98,1MHz 0dév Pilote:±7,5kHz dév 60dB(Entrée ANT)	(B)	FM 98,1MHz	VR2 (X14-183)	Sortie minimale	(b)
3	SEPARATION	(C) 98,1MHz 1kHz.±68,25kHz dév Selecteur:L ou R Pilote:±6,75kHz dév 60dB(Entrée ANT)	(B)	FM 98,1MHz	VR1 (X14-183)	Diaphone minimale. Un compromis de réglage peut être nécessaire si les séparations de gauche à droite et de droite à gauche sont inégales.	(c)
4	NIVEAU D'ARRET	(A) 98,1MHz 1kHz.±75kHz dév 20dB(Entrée ANT)	—	FM AUTO:ON 98,1MHz	VR4 (X14-183)	ARRET	(d)
SECTION MA							
(1)	NIVEAU D'ARRET	(D) 990kHz 400Hz. 30% mod 35dB(Entrée ANT)	—	AM AUTO:ON 990kHz	VR2 (X14-184)	ARRET	(e)
SECTION DU MAGNETPHONE							
[1]	NIVEAU DE LECTURE	MTT-150	Connecter un voltmètre CA les TP4(G) et TP5(D). (X14-183)	Lecture bande	VR3 (G) VR4 (D) (X14-184)	245mV	(f)
[2]	AZIMUTH	MTT-114 (10kHz)	(B)	Lecture bande	Vis d'azimut de tête	Régler en sorte que les niveaux de sortie des canaux de l'avance de gauche et de droite et des canaux marchearrière de gauche et de droite soient tous au maximum et identiques.	(g)


Connecteur de MF/MA
Générateur MF
(A)
Générateur MF
Générateur multiplex stéréo
(C)
Générateur MA
(D)
Haut-parleur
KRC-838
Voltmètre CA
Oscilloscope
(B)

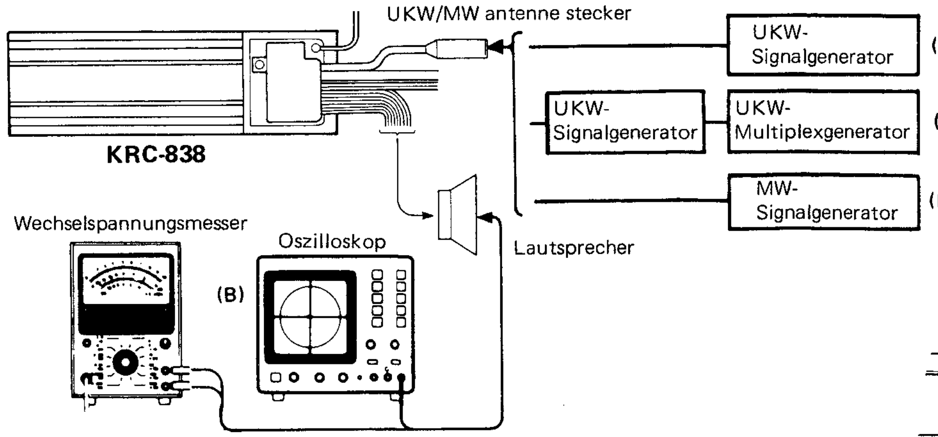

(g) Vis d'azimut
Ensemble mecanique
Saus-chassis

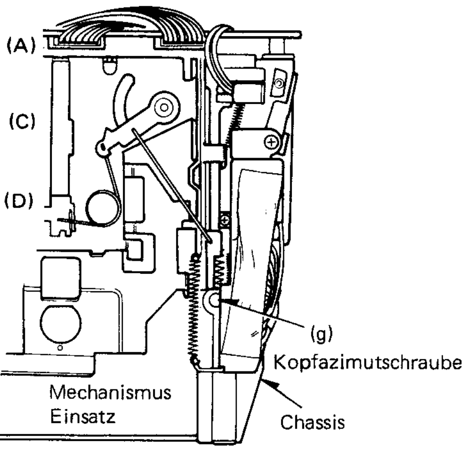
ABGLEICH

Die Regler und Knöpfe wire folgt einstellen.

BALANCE	:Mittelage	LOUD	:OFF	LOCAL	:OFF
FADER	:Mittelage	T・ADV	:OFF	AUTO	:OFF
BASS	:Mittelage	METAL	:OFF		
TREBLE	:Mittelage	DOLBY NR	:OFF		

NR.	GEGENSTAND	EINGANGS-EINSTELLUNG	AUSGANGS-EINSTELLUNG	TUNER(RECEIVER)-EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FüR	ABB.
UKW-ABTEILUNG							
1	DISKRIMINATOR	(A) 98,1MHz 1kHz.±75kHz Hub 60dB(ANT-Eingang)	Einen Gleichspannungsmesser zwischen zu CN4 anschließen. (X14-183)	FM 98,1MHz	T1 (X14-183)	0V	(a)
2	PILOT-LOSCHER	(C) 98,1MHz 0 Hub Pilot:7,5kHz Hub 60dB(ANT-Eingang)	(B)	FM 98,1MHz	VR2 (X14-183)	Minimal Ausgang	(b)
3	STEREO KANAL TRENNUNG	(C) 98,1MHz 1kHz.±68,25kHz Hub Wahler:L oder R Pilot:±6,75kHz Hub 60dB(ANT-Eingang)	(B)	FM 98,1MHz	VR1 (X14-183)	Minimales übersprechen. Einen Ausgleichrege lung kann notwendig sein, falls links zu rechts und rechts zu links Trennungen ungleich sind.	(c)
4	HALT PEGEL	(A) 98,1MHz 1kHz.±75kHz Hub 20dB(ANT-Eingang)	—	FM AUTO:ON 98,1MHz	VR4 (X14-184)	HALT	(d)
MW-ABTEILUNG							
(1)	HALT PEGEL	(D) 990kHz 400Hz. 30% mod 35dB(ANT-Eingang)	—	MW AUTO:ON 990kHz	VR2 (X14-184)	HALT	(e)
CASSETTEN-DECK-ABTEILUNG							
[1]	WIDERGABE PEGEL	MTT-150	Einen Wechselspannungsmesser zu TP4(L) und TP5(R) anschließen. (X14-183)	Bandwiedergabe	VR3 (L) VR4 (R) (X14-184)	245mV	(f)
[2]	AZIMUTH	MTT-114(10kHz)	(B)	Bandwiedergabe	Kopfazimutschraube	So einstellen,daß die Ausgangspegel der linken und rechten Kanäle bei Rück lauf maximal und übereinstimmend sind.	(g)


UKW/MW antenne stecker
UKW-Signalgenerator
(A)
UKW-Signalgenerator
UKW-Multiplexgenerator
(C)
MW-Signalgenerator
(D)
KRC-838
Lautsprecher
Wechselspannungsmesser
Oszilloskop
(B)


(g)
Kopfazimutschraube
Mechanismus Einsatz
Chassis

X14-1840-10 (A/2)

IC2

1	4.5V
2	4.5V
3	4.5V
4	0V
5	4.5V
6	4.5V
7	4.5V
8	9V

X14-1840-10(B/2)

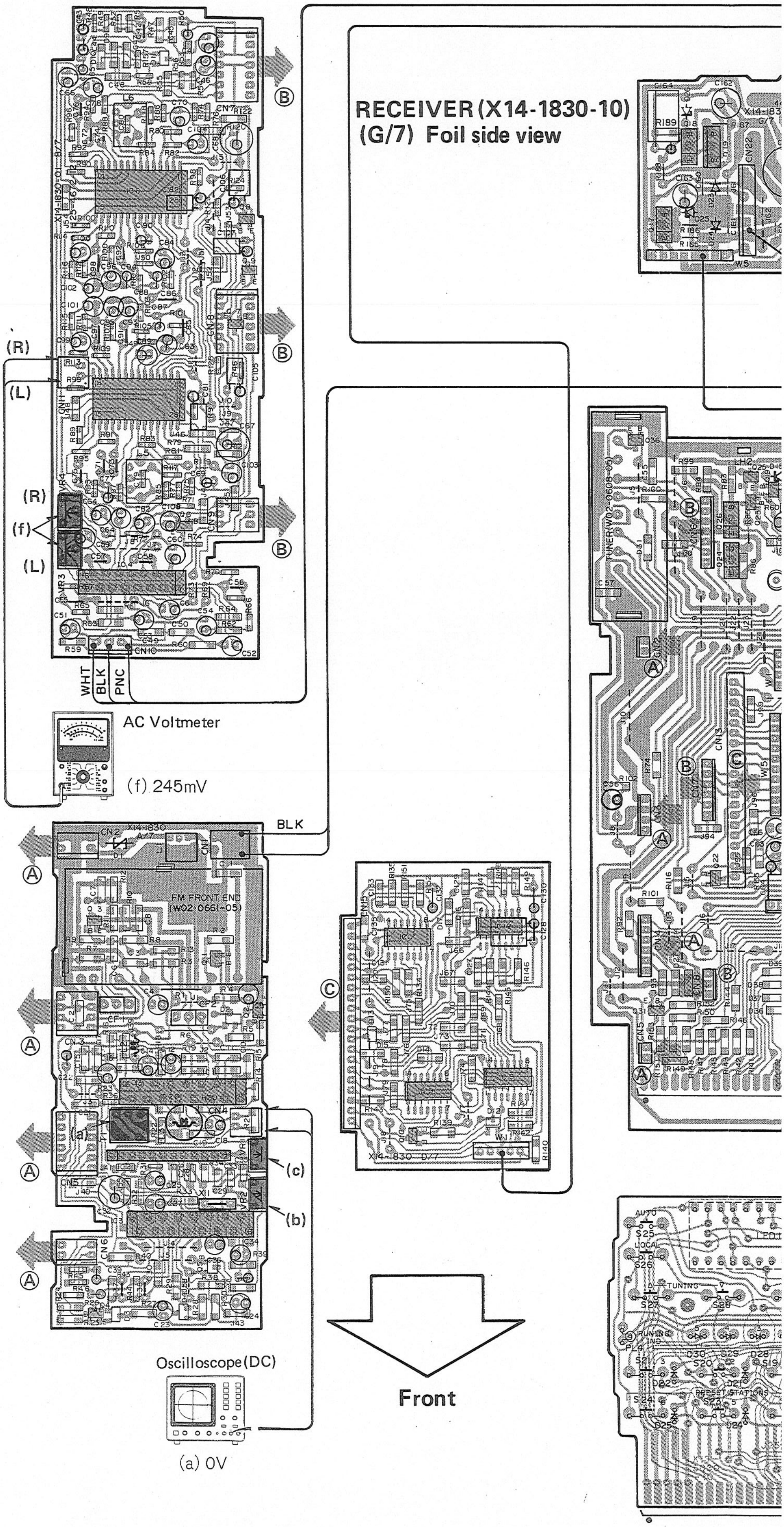
	B	C	E
Q5	–	–	13V
Q6	–	–	13V
Q8	–	–	13V
Q14	–	–	14.4V
Q15	5.6V	–	5V
Q16	–	5V	–
Q17	6.2V	9V	5.6V
Q20	–	9V	–
Q24	–	9V	9V
Q26	–	–	9V

IC3

1	8.2V	8	0V
2	8.2V	9	0V
3	8.2V	10	0V
4	1V	11	0V
5	–	12	0V
6	–	13	0V
7	0V	14	0V

IC11

9	8.5V


RECEIVER (X14-1830-10) (G/7) Foil side view

AC Voltmeter

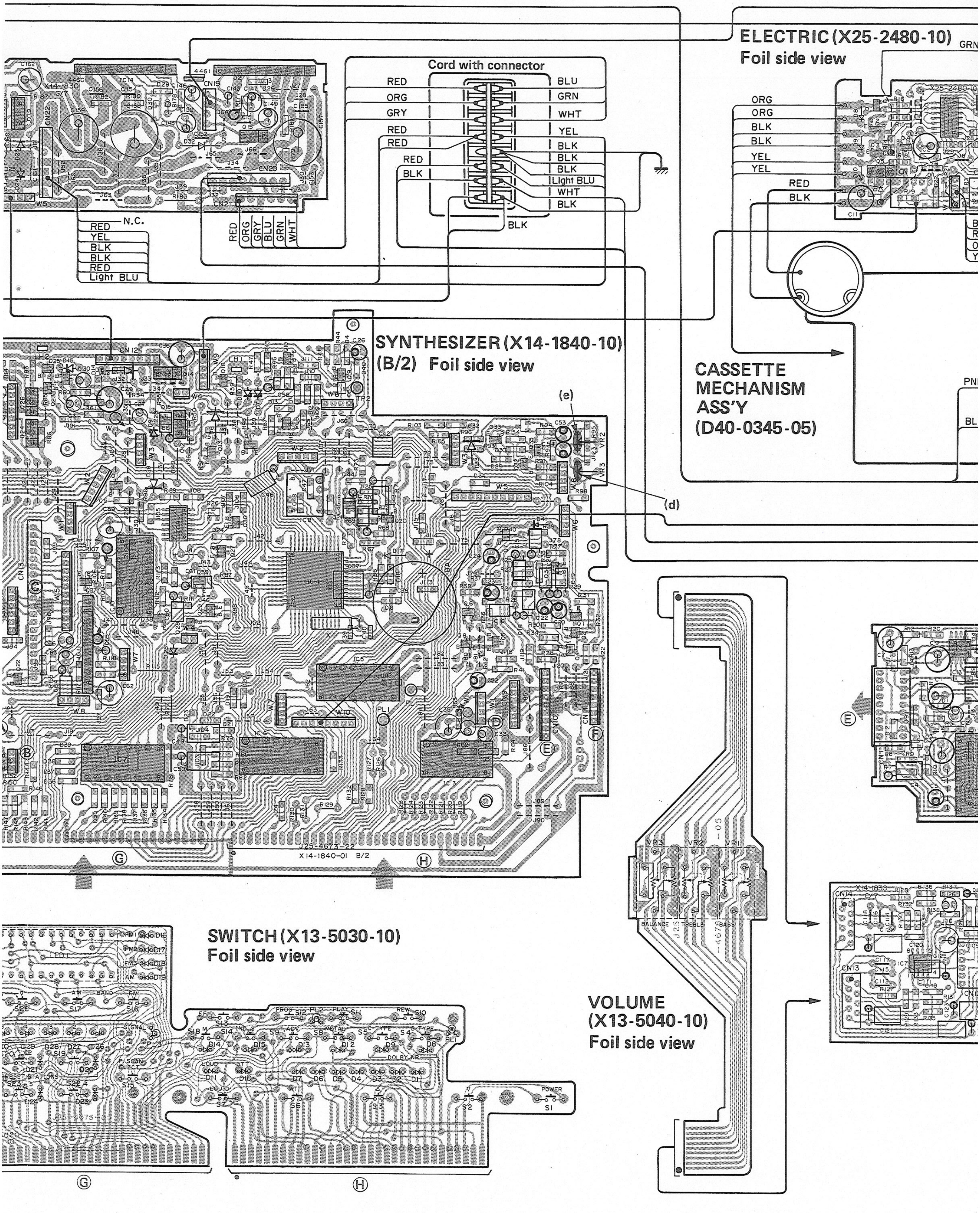
(f) 245mV

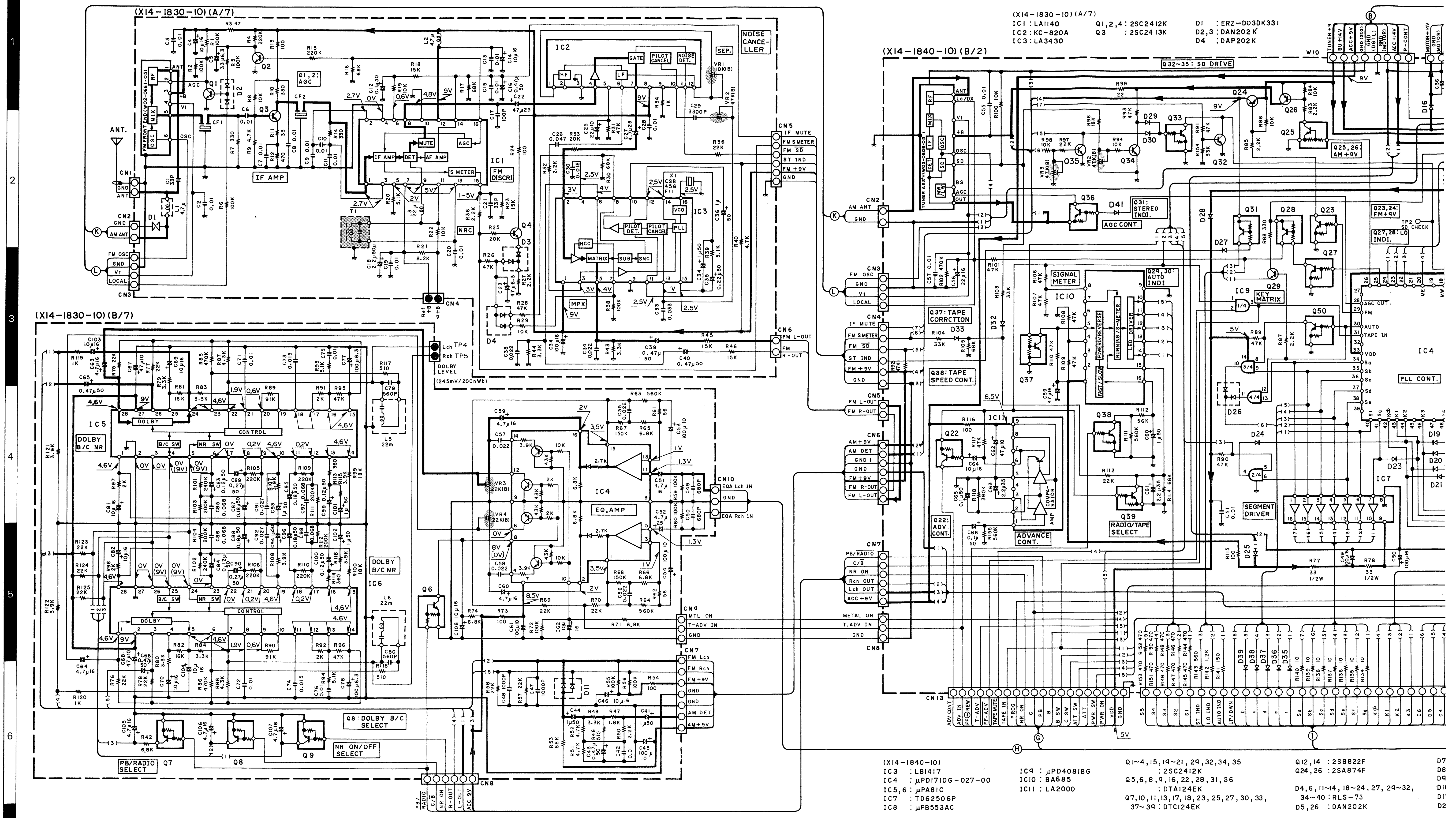
Oscilloscope(DC)

(a) 0V

Ⓑ
Ⓑ
Ⓑ
(R)
(L)
(R)
(f)
(L)
WHT
BLK
PNC
BLK
X14-1830 A/7
Ⓐ
Ⓐ
Ⓐ
Ⓐ
FM FRONT END (W02-0661-05)
(a)
(c)
(b)
Ⓒ
X14-1830 D/7
Front
TUNER (W02-0608-05)
Ⓐ
Ⓑ
Ⓒ
AUTO
S25
LOCAL
S26
TUNING
PRESET STATIONS

PC BOARD

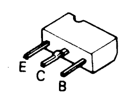

ELECTRIC (X25-2480-10)
Foil side view
Cord with connector
RED
ORG
GRY
RED
RED
RED
BLK
BLU
GRN
WHT
YEL
BLK
BLK
BLK
Light BLU
WHT
BLK
BLK
N.C.
RED
YEL
BLK
BLK
RED
Light BLU
RED
ORG
GRY
BLU
GRN
WHT
ORG
ORG
BLK
BLK
YEL
YEL
RED
BLK
GRN
X14-1830
SYNTHESIZER (X14-1840-10)
(B/2) Foil side view
CASSETTE
MECHANISM
ASS'Y
(D40-0345-05)
(e)
(d)
X14-1840-01 B/2
J25-4673-22
G
H
C
E
F
SWITCH (X13-5030-10)
Foil side view
VOLUME
(X13-5040-10)
Foil side view
BALANCE
TREBLE
BASS
VR3
VR2
VR1
POWER
S1
LOUD
ATT
DOLBY NR
PRESET STATIONS
P.SCAN
EJECT
G
H


(X14-1830-10) (A/7)
(X14-1830-10) (B/7)
(X14-1840-10) (B/2)
IC1
IC2
IC3
IC4
IC5
IC6
IC7
IC8
IC9
IC10
IC11
NOISE CANCELLER
SEP.
IF AMP
FM DISCRI
NRC
MPX
MATRIX
PILOT DET.
PILOT CANCEL
VCO
PLL
HCC
SUB
SNC
GATE
MUTE
AF AMP
DET
S METER
ANT.
FM FRONT END (W02-0661-05)
DOLBY B/C NR
DOLBY B/C NR
DOLBY
CONTROL
B/C SW
NR SW
EQ.AMP
DOLBY LEVEL (245mV/200nWb)
Q8: DOLBY B/C SELECT
NR ON/OFF SELECT
PB/RADIO SELECT
Q32~35: SD DRIVE
Q25,26: AM +9V
Q23,24: FM +4V
Q27,28: LO INDI.
Q31: STEREO INDI.
AGC CONT.
Q29,30: AUTO INDI
SIGNAL METER
KEY MATRIX
Q37: TAPE CORRCTION
Q38: TAPE SPEED CONT.
Q22: ADV CONT.
ADVANCE CONT.
Q39: RADIO/TAPE SELECT
SEGMENT DRIVER
PLL CONT.
TUNER ASS'Y (W02-0608-05)
FOWERD/REVERSE
RUNNING/S-METER
LED DRIVER
FAST/SLOW
COMPARATOR
AMP
CN1
CN2
CN3
CN4
CN5
CN6
CN7
CN8
CN9
CN10
CN13
W10
TP4
TP5
TP2 SD CHECK

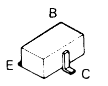
(X14-1830-10)(A/7)
IC1 : LA1140
IC2 : KC-820A
IC3 : LA3430
Q1,2,4 : 2SC2412K
Q3 : 2SC2413K
D1 : ERZ-D03DK331
D2,3 : DAN202K
D4 : DAP202K

(X14-1840-10)
IC3 : LB1417
IC4 : µPD1710G-027-00
IC5,6 : µPA81C
IC7 : TD62506P
IC8 : µPB553AC
IC9 : µPD4081BG
IC10 : BA685
IC11 : LA2000
Q1~4, 15, 19~21, 29, 32, 34, 35 : 2SC2412K
Q5, 6, 8, 9, 16, 22, 28, 31, 36 : DTA124EK
Q7, 10, 11, 13, 17, 18, 23, 25, 27, 30, 33, 37~39 : DTC124EK
Q12, 14 : 2SB822F
Q24, 26 : 2SA874F
D4, 6, 11~14, 18~24, 27, 29~32, 34~40 : RLS-73
D5, 26 : DAN202K
D7
D8
D9

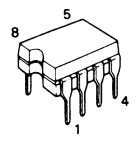
2SA874F



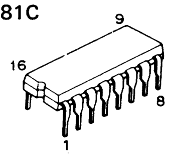
DTA124EK 2SC2412K
DTC124EK 2SC2413K
2SB822F



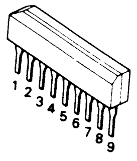
µPB553AC



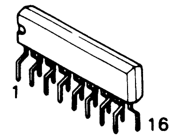
BA685
TD62506P
µPA81C



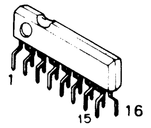
LA2000



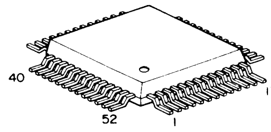
LA1140
LA3430



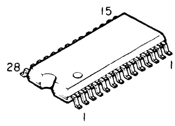
BA3406L



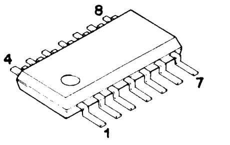
µPD1710G-027-00



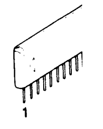
CX20077L
CX20078L

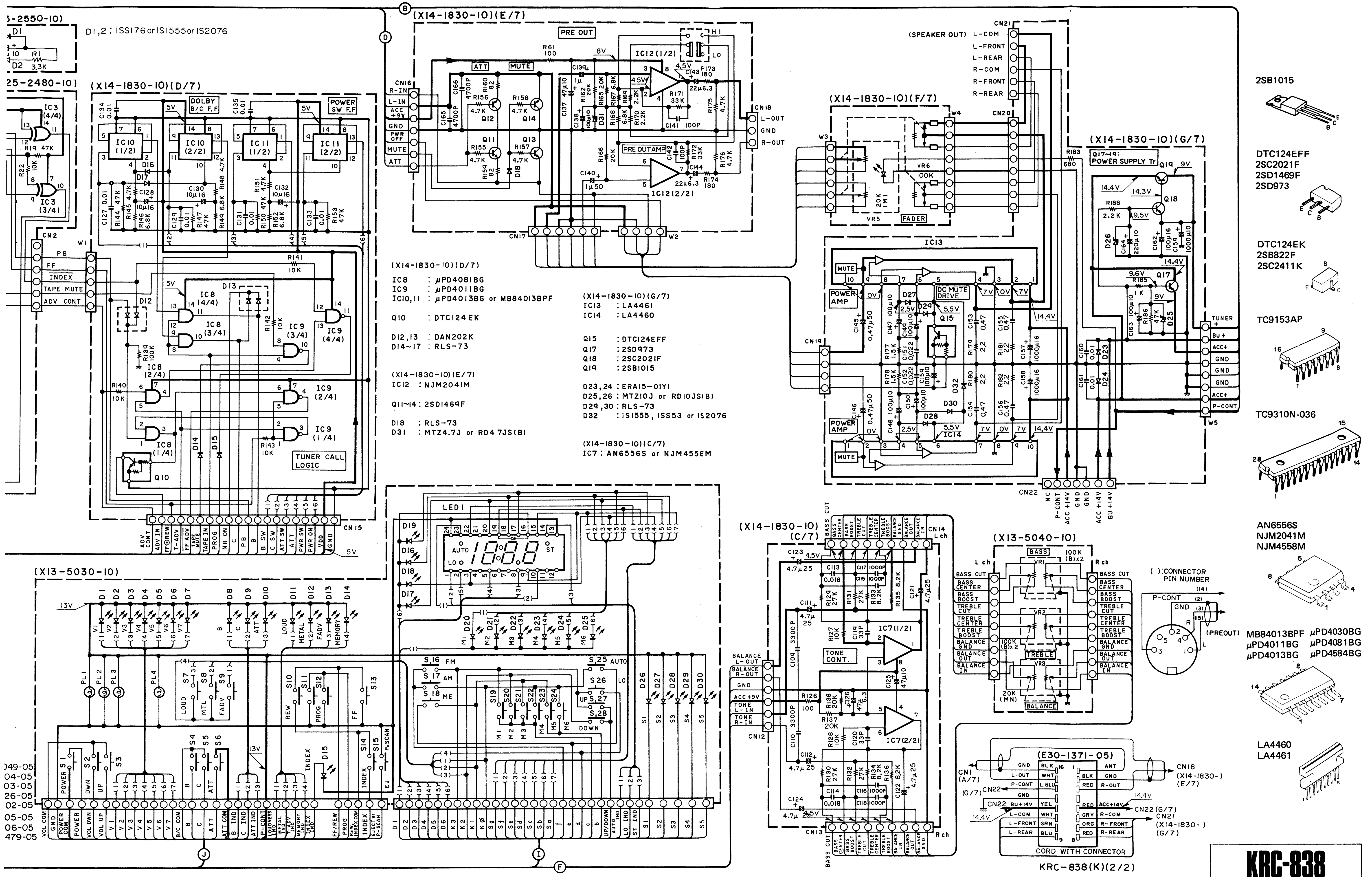


µPD4081BG



KC-820A




(X14-1830-10)(E/7)
PRE OUT
(X14-1830-10)(D/7)
DOLBY B/C F.F
POWER SW F.F
TUNER CALL LOGIC
(X14-1830-10)(F/7)
FADER
(X14-1830-10)(G/7)
Q17~19: POWER SUPPLY Tr
PRE OUTAMP
DC MUTE DRIVE
MUTE
POWER AMP
(SPEAKER OUT)
L-COM
L-FRONT
L-REAR
R-COM
R-FRONT
R-REAR
L-OUT
GND
R-OUT
CN22
NC
P-CONT
ACC +14V
GND
GND
ACC +14V
BU +14V
TUNER
BU+
ACC+
P-CONT
(X13-5030-10)
(X14-1830-10)(C/7)
TONE CONT.
(X13-5040-10)
BASS
TREBLE
BALANCE
( ):CONNECTOR PIN NUMBER
(PREOUT)
(E30-1371-05)
CORD WITH CONNECTOR
D1,2 : ISS176 or IS1555 or IS2076
2SB1015
DTC124EFF
2SC2021F
2SD1469F
2SD973
DTC124EK
2SB822F
2SC2411K
TC9153AP
TC9310N-036
AN6556S
NJM2041M
NJM4558M
MB84013BPF
μPD4011BG
μPD4013BG
μPD4030BG
μPD4081BG
μPD4584BG
LA4460
LA4461

(X14-1830-10)(D/7)
IC8 : μPD4081BG
IC9 : μPD4011BG
IC10,11 : μPD4013BG or MB84013BPF

Q10 : DTC124EK

D12,13 : DAN202K
D14~17 : RLS-73

(X14-1830-10)(E/7)
IC12 : NJM2041M

Q11~14 : 2SD1469F

D18 : RLS-73
D31 : MTZ4.7J or RD4 7JS(B)

(X14-1830-10)(G/7)
IC13 : LA4461
IC14 : LA4460

Q15 : DTC124EFF
Q17 : 2SD973
Q18 : 2SC2021F
Q19 : 2SB1015

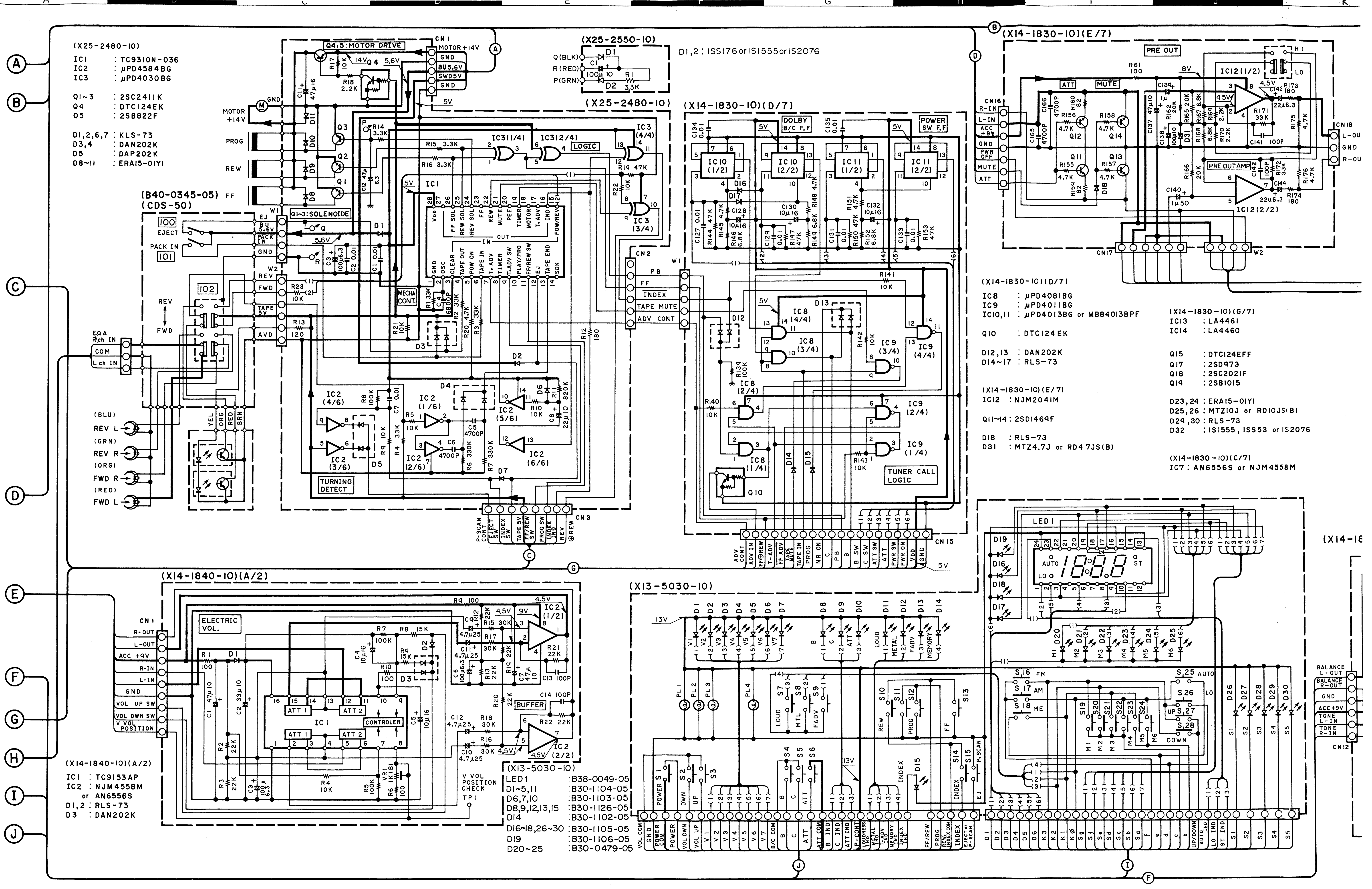
D23,24 : ERA15-01Y1
D25,26 : MTZ10J or RD10JS(B)
D29,30 : RLS-73
D32 : IS1555, ISS53 or IS2076

(X14-1830-10)(C/7)
IC7 : AN6556S or NJM4558M

KRC-838(K)(2/2)

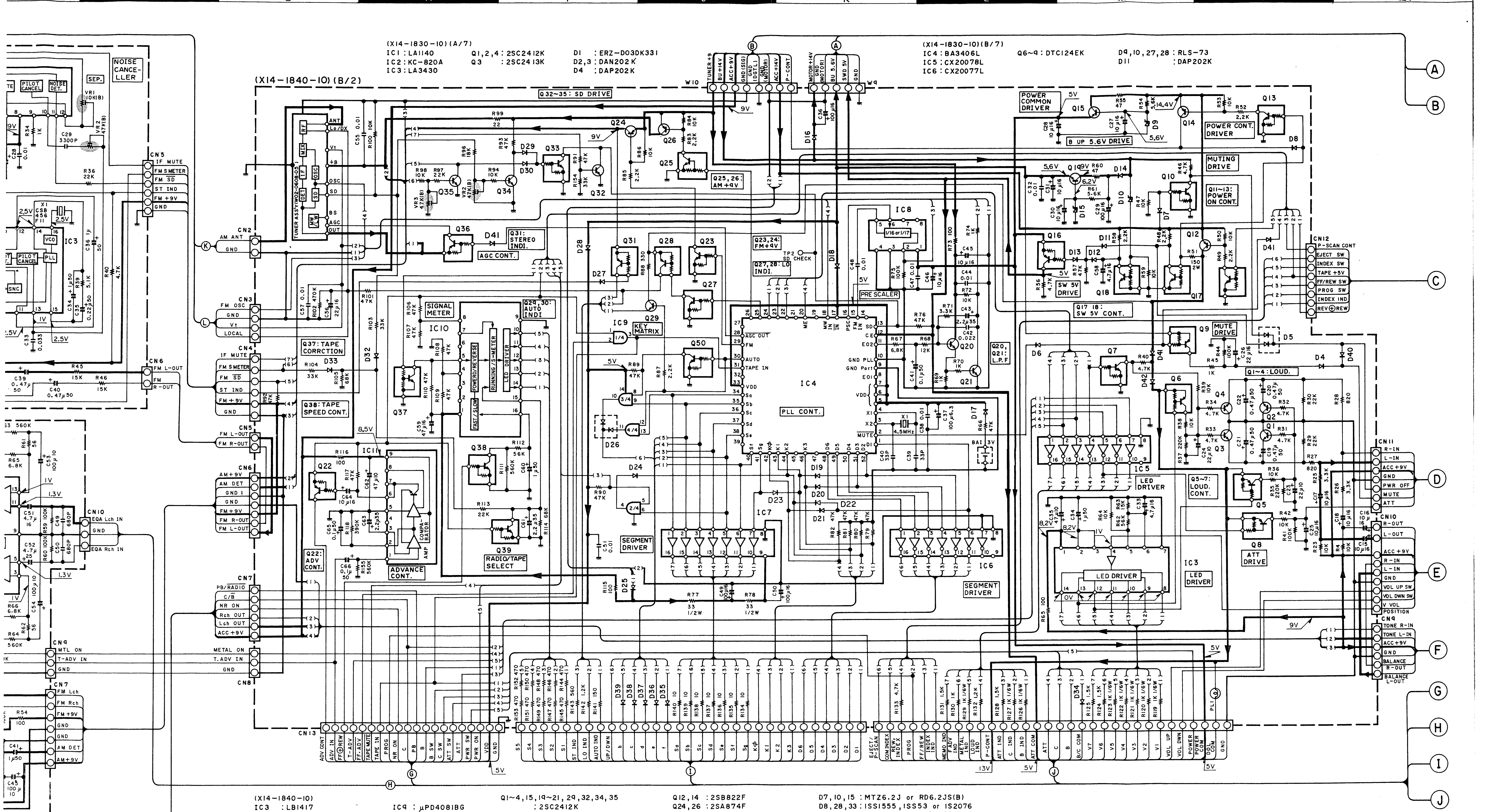
KRC-838

KENWOOD



(X25-2480-10)
IC1 : TC9310N-036
IC2 : μPD4584BG
IC3 : μPD4030BG
Q1~3 : 2SC2411K
Q4 : DTC124EK
Q5 : 2SB822F
D1,2,6,7 : KLS-73
D3,4 : DAN202K
D5 : DAP202K
D8~11 : ERA15-01Y1
Q4,5:MOTOR DRIVE
CN1
MOTOR+14V
GND
BU5.6V
SWD5V
GND
MOTOR +14V
PROG
REW
FF
Q1~3:SOLENOIDE
(B40-0345-05)
(CDS-50)
EJECT
PACK IN
REV
FWD
EQA Rch IN
COM
Lch IN
REV L
REV R
FWD R
FWD L
(BLU)
(GRN)
(ORG)
(RED)
MECHA CONT.
TURNING DETECT
LOGIC
(X25-2550-10)
Q(BLK)
R(RED)
P(GRN)
D1,2 : ISS176 or IS1555 or IS2076
(X25-2480-10)
(X14-1830-10)(D/7)
DOLBY B/C F.F
POWER SW F.F
TUNER CALL LOGIC
CN2
PB
FF
INDEX
TAPE MUTE
ADV CONT
CN3
CN15
(X14-1830-10)(D/7)
IC8 : μPD4081BG
IC9 : μPD4011BG
IC10,11 : μPD4013BG or MB84013BPF
Q10 : DTC124EK
D12,13 : DAN202K
D14~17 : RLS-73
(X14-1830-10)(E/7)
IC12 : NJM2041M
Q11~14 : 2SD1469F
D18 : RLS-73
D31 : MTZ4.7J or RD4.7JS(B)
(X14-1830-10)(G/7)
IC13 : LA4461
IC14 : LA4460
Q15 : DTC124EFF
Q17 : 2SD473
Q18 : 2SC2021F
Q19 : 2SB1015
D23,24 : ERA15-01Y1
D25,26 : MTZ10J or RD10JS(B)
D29,30 : RLS-73
D32 : IS1555, ISS53 or IS2076
(X14-1830-10)(C/7)
IC7 : AN6556S or NJM4556M
(X14-1830-10)(E/7)
PRE OUT
ATT
MUTE
PRE OUTAMP
CN16
R-IN
L-IN
ACC +9V
GND
PWR OFF
MUTE
ATT
CN17
CN18
L-OUT
GND
R-OUT
(X14-1840-10)(A/2)
ELECTRIC VOL.
BUFFER
CONTROLER
ATT 1
ATT 2
R-OUT
L-OUT
ACC +9V
R-IN
L-IN
GND
VOL UP SW
VOL DOWN SW
V VOL POSITION
V VOL POSITION CHECK TP1
(X14-1840-10)(A/2)
IC1 : TC9153AP
IC2 : NJM4558M or AN6556S
D1,2 : RLS-73
D3 : DAN202K
(X13-5030-10)
(X13-5030-10)
LED1 : B38-0049-05
D1~5,11 : B30-1104-05
D6,7,10 : B30-1103-05
D8,9,12,13,15 : B30-1126-05
D14 : B30-1102-05
D16~18,26~30 : B30-1105-05
D19 : B30-1106-05
D20~25 : B30-0479-05
LED1
AUTO
LO
ST
FM
AM
ME
AUTO
LO
UP
DOWN
BALANCE L-OUT
BALANCE R-OUT
GND
ACC+9V
TONE L-IN
TONE R-IN
CN12
(X14-18

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

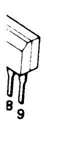


(X14-1830-10)(A/7)
IC1 : LA1140
IC2 : KC-820A
IC3 : LA3430
Q1,2,4 : 2SC2412K
Q3 : 2SC2413K
D1 : ERZ-D03DK331
D2,3 : DAN202K
D4 : DAP202K

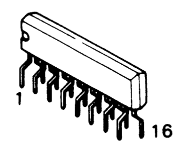
(X14-1830-10)(B/7)
IC4 : BA3406L
IC5 : CX20078L
IC6 : CX20077L
Q6~9 : DTC124EK
D9,10,27,28 : RLS-73
D11 : DAP202K

(X14-1840-10)
IC3 : LB1417
IC4 : μPD1710G-027-00
IC5,6 : μPA81C
IC7 : TD62506P
IC8 : μPB553AC
IC9 : μPD4081BG
IC10 : BA685
IC11 : LA2000
Q1~4,15,19~21,29,32,34,35 : 2SC2412K
Q5,6,8,9,16,22,28,31,36 : DTA124EK
Q7,10,11,13,17,18,23,25,27,30,33,37~39 : DTC124EK
Q12,14 : 2SB822F
Q24,26 : 2SA874F
D4,6,11~14,18~24,27,29~32,34~40 : RLS-73
D5,26 : DAN202K
D7,10,15 : MTZ6.2J or RD6.2JS(B)
D8,28,33 : 1SS1555,1SS53 or 1S2076
D9 : MTZ5.6J or RD5 6JS(B)
D16 : DSM1A1
D17 : 1SS101
D25,D41 : ERA15-01Y1

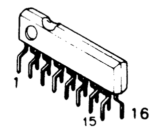
KRC-838(K)(1/2)



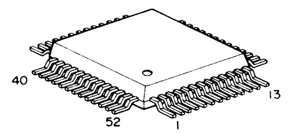
LA1140
LA3430



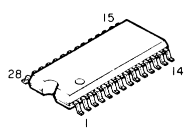
BA3406L



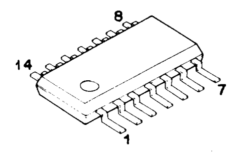
μPD1710G-027-00



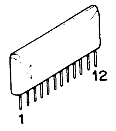
CX20077L
CX20078L



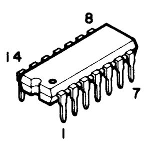
μPD4081BG



KC-820A



LB1417

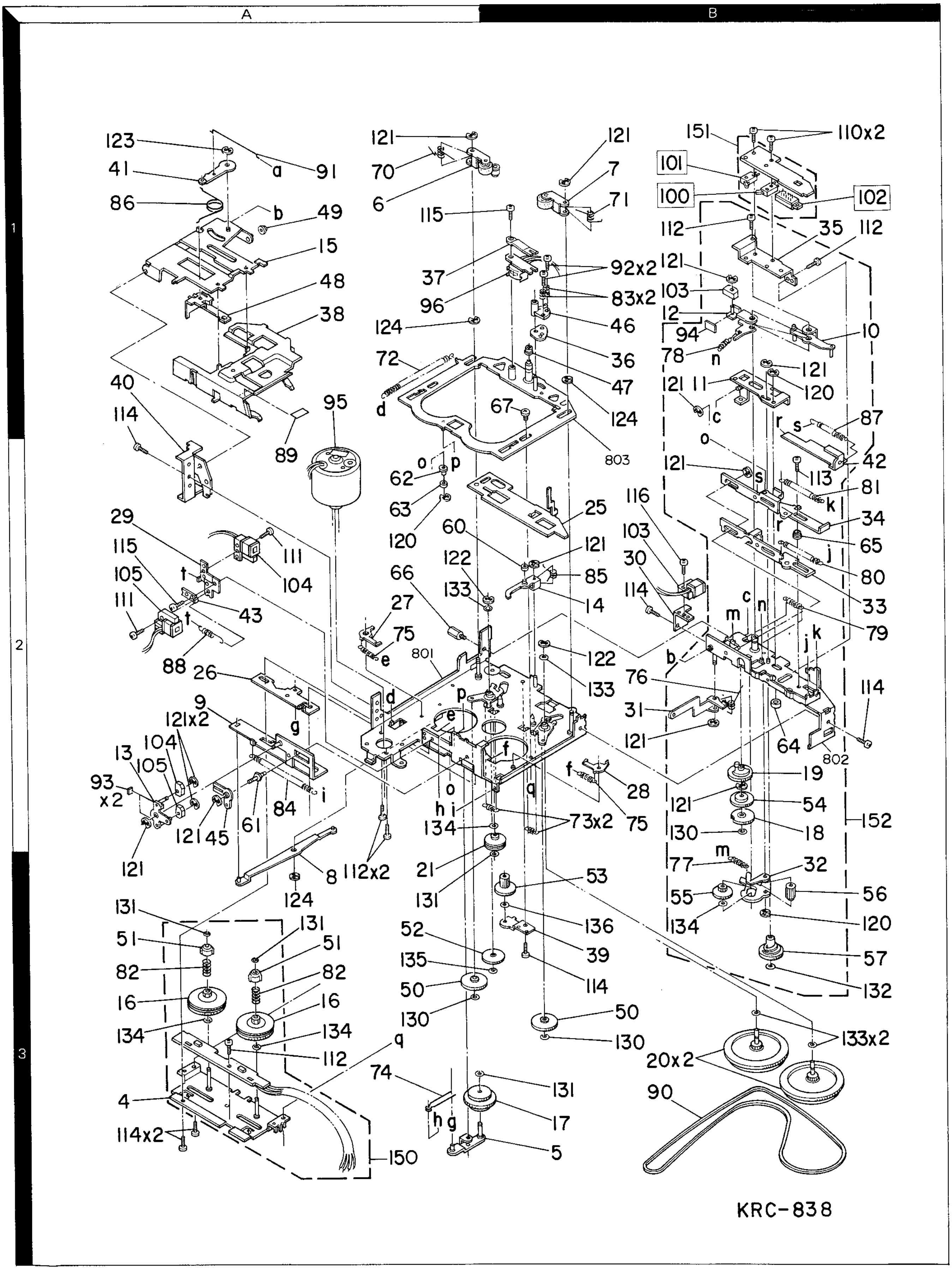


- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.
- Les tensions c.c. doivent être measurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen. Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

KRC-838

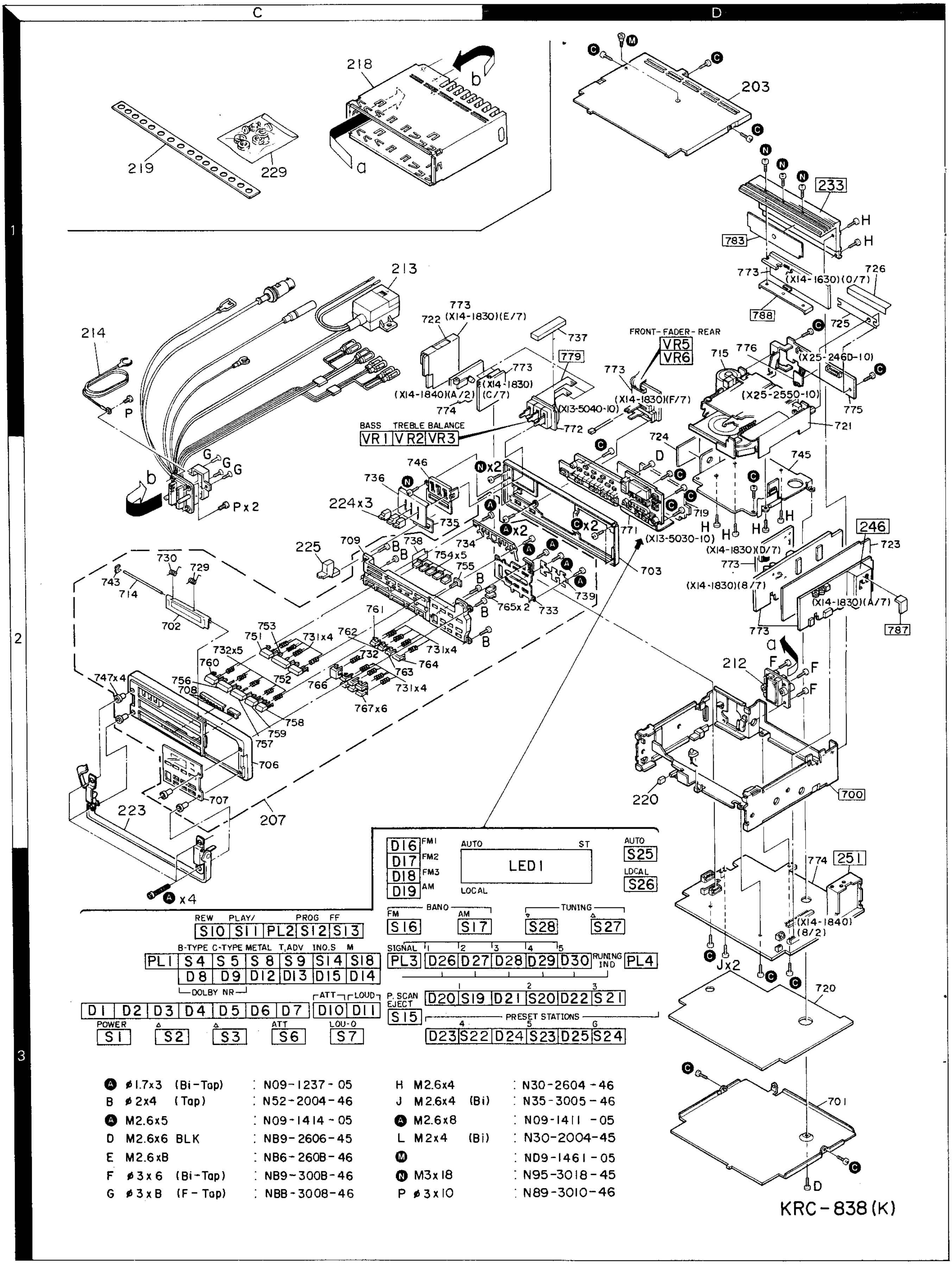
KENWOOD

EXPLODED VIEW(MECHANISM)


A
B
1
2
3
123
41
86
91
a
b
49
15
48
38
40
114
89
95
121
70
6
115
37
96
124
72
d
121
7
71
92x2
83x2
46
36
47
124
67
803
151
110x2
101
100
102
112
35
112
121
103
12
94
78
n
10
121
120
121 11
c
o
r
s
87
42
121
113
81
k
34
65
80
33
79
62
o
p
63
120
25
29
115
105
111
t
104
111
43
88
t
60
121
85
122
133
66
14
27
75
e
801
122
133
116
103
30
114
c
m
n
j
k
b
76
31
121
64
802
114
26
9
121x2
104
13
105
93 x2
121
45
61
84
i
g
d
p
e
f
o
h i
q
f
28
75
73x2
134
121
19
54
130
18
152
m
77
32
55
134
56
120
57
132
121
8
112x2
124
21
131
53
136
39
114
131
51
82
16
134
131
51
82
16
134
112
4
114x2
150
52
135
50
130
q
74
131
17
h g
5
50
130
133x2
20x2
90
KRC-838

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(UNIT)


C
D
1
2
3
218
b
a
219
229
203
233
H
H
783
773
(X14-1630)(0/7)
726
788
725
213
773
722 (X14-1830)(E/7)
737
779
FRONT-FADER-REAR
VR5
VR6
715
776
(X25-2460-10)
214
773
(X14-1830)
(C/7)
(X14-1840)(A/2)
774
773
(X14-1830)(F/7)
(X13-5040-10)
(X25-2550-10)
775
BASS TREBLE BALANCE
VR1 VR2 VR3
772
724
721
P
G
G
G
b
P x 2
746
736
224x3
735
N x2
A x2
C x2
771
719
745
(X13-5030-10)
H
H
H
H
246
723
(X14-1830)(D/7)
773
(X14-1830)(8/7)
(X14-1830)(A/7)
787
225
709
B
738
B
754x5
755
734
703
739
730
729
743
714
702
733
765x2
B
B
761
753
751
731x4
762
732x5
760
732
731x4
764
763
756
708
752
766
731x4
747x4
767x6
758
759
757
706
707
223
207
a
212
F
F
F
220
700
x4
D16 FM1
D17 FM2
D18 FM3
D19 AM
AUTO
ST
LED1
LOCAL
AUTO
S25
LOCAL
S26
774
251
(X14-1840)
(8/2)
J x2
720
701
D
REW PLAY/ PROG FF
S10 S11 PL2 S12 S13
B-TYPE C-TYPE METAL T.ADV INO.S M
PL1 S4 S5 S8 S9 S14 S18
D8 D9 D12 D13 D15 D14
DOLBY NR
ATT LOUD
D1 D2 D3 D4 D5 D6 D7 D10 D11
POWER
S1
S2
S3
ATT
S6
LOU-O
S7
FM BANO AM
S16 S17
TUNING
S28 S27
SIGNAL 1 2 3 4 5
PL3 D26 D27 D28 D29 D30
RUNING IND
PL4
P.SCAN EJECT
S15
1 2 3
D20 S19 D21 S20 D22 S21
PRESET STATIONS
4 5 G
D23 S22 D24 S23 D25 S24
KRC-838(K)

Ⓐ	ø1.7x3 (Bi-Tap)	: N09-1237-05	H	M2.6x4		: N30-2604-46
B	ø2x4 (Tap)	: N52-2004-46	J	M2.6x4	(Bi)	: N35-3005-46
Ⓐ	M2.6x5	: N09-1414-05	Ⓐ	M2.6x8		: N09-1411 -05
D	M2.6x6 BLK	: NB9-2606-45	L	M2x4	(Bi)	: N30-2004-45
E	M2.6xB	: NB6-260B-46	Ⓜ			: ND9-1461-05
F	ø3x6 (Bi-Tap)	: NB9-300B-46	Ⓝ	M3x18		: N95-3018-45
G	ø3xB (F-Tap)	: NBB-3008-46	P	ø3x10		: N89-3010-46

Parts with the explodad numbers larger than 700 are not supplied.

PARTS LIST

⁎ New Parts

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KRC-838						
203	1D	*	A52-0082-03	TOP COVER		
218	1C	*	A01-1430-03	METALLIC CABINET ASSY		
207	2C	*	B01-0278-02	PANEL ESCUTCHEON ASSY		
-			B46-0100-00	WARRANTY CARD		
-			B46-0118-03	QUESTIONAIRE CARD		
-		*	B50-5826-00	INSTRUCTION MANUAL		
-			B58-0370-04	CAUTION CARD		
212	2D	*	E30-1371-05	CORD WITH CONNECTOR		
213	2C	*	E30-1378-05	CORD WITH CONNECTOR		
214	1C		E30-0891-05	GROUND WIRE		
-		*	H01-5626-04	ITEM CARTON CASE		
-		*	H03-0765-14	OUTER CARTON CASE		
-		*	H10-1818-03	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-1840-03	POLYSTYRENE FOAMED FIXTURE		
-			H17-0012-03	PACKING FIXTURE		
-			H25-0173-04	PROTECTION BAG (300X350X0.05)		
-			H25-0226-04	PROTECTION BAG (180X300X0.05)		
-			H25-0233-04	PROTECTION BAG		
219	1C		J54-0059-04	STAY		
220	2D	*	J39-0091-04	SPACER		
-			J61-0067-05	WIRE BAND		
223	2C	*	K01-0078-03	HANDLE ASSY		
224	2C	*	K27-1504-04	KNOB (BUTTON) BASS, TREBLE		
225	2C	*	K27-1505-04	KNOB (BUTTON) FADER		
229	1C	*	N99-0099-05	SCREW SET		
A	2D		N09-1237-05	TAPTITE SCREW (1.7X3)		
C	2C,2D		N09-1414-05	TAPTITE SCREW (M2.6X5)		
N	3C		N95-3018-45	SCREW (M3X10)		
M	1D		N09-1461-05	STEPPED SCREW (M2.6X14)		
-			W09-0032-05	BATTERY		
SWITCH (X13-5030-10)						
D1 -5	3C	*	B30-1104-05	LED(BG4553K)		
D6 ,7	3C	*	B30-1103-05	LED(PR4553K)		
D8 ,9	3C		B30-1126-05	LED DOLBY		
D10	3C	*	B30-1103-05	LED(PR4553K) ATT		
D11	3C	*	B30-1104-05	LED(BG4553K) LOUDNESS		
D12 ,13	3C		B30-1126-05	LED METAL/TAPE ADV		
D14	3C	*	B30-1102-05	LED(PR3422K) MEMORY		
D15	3C		B30-1126-05	LED IND.S		
D16 -18	3C	*	B30-1105-05	LED(PG5551KY) FM		
D19	3C	*	B30-1106-05	LED(AY5551K) AM		
D20 -25	3C,3D	*	B30-1117-05	LED(BR4524K,RED)PRESET		
D26 -30	3C,3D	*	B30-1105-05	LED(PG5551KY)		
LED1	3D		B38-0049-05	LED DISPLAY ASSY		
PL1 -4	3C,3D	*	B30-1107-05	LAMP (16V 40MA)		

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S1 -28	3C,3D		S40-1086-05	PUSH SWITCH		
VOLUME (X13-5040-10)						
VR1 ,2	2C	⁎	R13-5069-05	POTENTIOMETER(100K) TONE		
VR3	2C	⁎	R13-3024-05	POTENTIOMETER(20K) BALANCE		
RECEIVER (X14-1830-10)						
C1			CC41DSL1H330J	CYLND CHIP C 33PF J		
C2 ,3			C93-0012-05	CYLND CHIP C 0.01UF M		
C4			C90-0478-05	ELECTRO 10UF 16WV		
C5			C90-0485-05	ELECTRO 33UF 6.3WV		
C6 -11			C93-0012-05	CYLND CHIP C 0.01UF M		
C12			C90-0477-05	ELECTRO 0.1UF 50WV		
C13			C93-0012-05	CYLND CHIP C 0.01UF M		
C14			C90-0478-05	ELECTRO 10UF 16WV		
C15			C93-0012-05	CYLND CHIP C 0.01UF M		
C16			C90-0484-05	ELECTRO 0.47UF 50WV		
C17			CK41DB1H101K	CYLND CHIP C 100PF K		
C18			C90-0508-05	ELECTRO 2.2UF 50WV		
C19 ,20			C93-0012-05	CYLND CHIP C 0.01UF M		
C21			CC41DSL1H330J	CYLND CHIP C 33PF J		
C22			C90-0482-05	ELECTRO 4.7UF 25WV		
C23			CE04CW0J470M	ELECTRO 47UF 6.3WV		
C25			C90-0497-05	ELECTRO 22UF 10WV		
C26			CK73EB1E473K	CHIP C 0.047UF K		
C27			C90-0482-05	ELECTRO 4.7UF 25WV		
C28			C93-0012-05	CYLND CHIP C 0.01UF M		
C29			C93-0006-05	CYLND CHIP C 3300PF M		
C30		⁎	CK73EB1E183K	CHIP C 0.018UF K		
C32			C90-1263-05	ELECTRO 100UF 16WV		
C33		⁎	CK73EB1E333K	CHIP C 0.033UF K		
C34			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C35			CE04CW1HR22M	ELECTRO 0.22UF 50WV		
C36			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C37 ,38			CQ92M1H223J	MYLAR 0.022UF J		
C39 ,48			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C41			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C42			CQ92M1H103J	MYLAR 0.010UF J		
C43			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C44			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C45		⁎	CE04DW1A101M	ELECTRO 100UF 10WV		
C46			CE04CW1C100M	ELECTRO 10UF 16WV		
C47 ,48			CK41DB1H102K	CYLND CHIP C 1000PF K		
C49 ,50		⁎	CK41DB1H681K	CYLND CHIP C 680PF K		
C51			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C52			CE04W1E4R7M	ELECTRO 4.7UF 25WV		
C53 ,54		⁎	CE04DW1A101M	ELECTRO 100UF 10WV		
C55 -58			CQ92M1H223J	MYLAR 0.022UF J		
C59 ,60			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C61		⁎	CE04DW1A101M	ELECTRO 100UF 10WV		
C62			CE04CW1C100M	ELECTRO 10UF 16WV		
C63 ,64			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C65 ,66			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C67 ,68			CE04CW1A470M	ELECTRO 47UF 10WV		
C69 ,70			CE04CW1C100M	ELECTRO 10UF 16WV		
C71 ,72			CQ92M1H103J	MYLAR 0.010UF J		

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C73,74			CQ92M1H153J	MYLAR	0.015UF	J		
C75,76			CQ92M1H103J	MYLAR	0.010UF	J		
C77,78			CE04CW0J101M	ELECTRO	100UF	6.3WV		
C79,80		⁎	CK73FB1H561K	CHIP C	560PF	K		
C81,82			CE04CW1C100M	ELECTRO	10UF	16WV		
C83,84			C90-1291-05	ELECTRO	0.12UF	50WV		
C85,86			CF92V1H683J	MF	0.068UF	J		
C87,88			C90-1292-05	ELECTRO	0.18UF	50WV		
C89,90			C90-1293-05	ELECTRO	0.27UF	50WV		
C91,92			CQ92M1H273J	MYLAR	0.027UF	J		
C93,94			CE04CW1H010M	ELECTRO	1.0UF	50WV		
C95,96			C90-1292-05	ELECTRO	0.18UF	50WV		
C97,98			CF92V1H683J	MF	0.068UF	J		
C99,100			C90-1291-05	ELECTRO	0.12UF	50WV		
C101,102			CE04CW1H010M	ELECTRO	1.0UF	50WV		
C103,104			CE04CW1C100M	ELECTRO	10UF	16WV		
C105-107			CE04CW1C4R7M	ELECTRO	4.7UF	16WV		
C108			CE04CW1C100M	ELECTRO	10UF	16WV		
C109,110			C93-0006-05	CYLND CHIP C	3300PF	M		
C111,112			C90-0482-05	ELECTRO	4.7UF	25WV		
C113,114			CF92V1H183J	MF	0.018UF	J		
C115-118			CF92V1H102J	MF	1000PF	J		
C119,120			CC41DSL1H330J	CYLND CHIP C	33PF	J		
C121-124			C90-0482-05	ELECTRO	4.7UF	25WV		
C125			CE04CW1A470M	ELECTRO	47UF	10WV		
C126			CE04CW0J470M	ELECTRO	47UF	6.3WV		
C127			C93-0012-05	CYLND CHIP C	0.01UF	M		
C128			C90-0478-05	ELECTRO	10UF	16WV		
C129			C93-0012-05	CYLND CHIP C	0.01UF	M		
C130			C90-0478-05	ELECTRO	10UF	16WV		
C131			C93-0012-05	CYLND CHIP C	0.01UF	M		
C132			C90-0478-05	ELECTRO	10UF	16WV		
C133-135			C93-0012-05	CYLND CHIP C	0.01UF	M		
C137			CE04CW1A470M	ELECTRO	47UF	10WV		
C138			CE04CW1A101M	ELECTRO	100UF	10WV		
C139,140			C90-0824-05	ELECTRO	1UF	50WV		
C141,142			CK41DB1H101K	CYLND CHIP C	100PF	K		
C143,144			C90-0494-05	ELECTRO	22UF	6.3WV		
C145,146			C90-0484-05	ELECTRO	0.47UF	50WV		
C147-150		⁎	CE04DW1A101M	ELECTRO	100UF	10WV		
C151,152			CQ92M1H223J	MYLAR	0.022UF	J		
C153-156			CF92V1H474J	MF	0.47UF	J		
C157,158			C90-1256-05	ELECTRO	1000UF	16WV		
C159		⁎	CE04DW1A102M	ELECTRO	1000UF	10WV		
C160,161			C91-0769-05	CERAMIC	0.01UF	M		
C162		⁎	CE04DW1C101M	ELECTRO	100UF	16WV		
C163		⁎	CE04DW1A101M	ELECTRO	100UF	10WV		
C164		⁎	CE04DW1A221M	ELECTRO	220UF	10WV		
C165,166			C93-0008-05	CYLND CHIP C	4700PF	M		
CN13,14		⁎	E10-0904-05	FLAT CABLE CONNECTOR				
233	1D	⁎	F01-0660-03	HEAT SINK				
		⁎	J19-2638-04	HOLDER				

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CF1 ,2			L72-0170-05	CERAMIC FILTER		
L1			L39-0129-05	TRAP COIL		
L2			L40-4791-17	SMALL FIXED INDUCTOR(4.7UH,K)		
L3			L40-2205-25	SMALL FIXED INDUCTOR(22UH,J)		
L5 ,6			L39-0118-05	TRAP COIL		
T1			L30-0388-05	FM IFT		
X1			L78-0208-05	RESONATOR (18.950KHZ)		
K			N09-1411-05	TAPTITE SCREW (2.6X8)		
–		⁎	R92-0338-05	CLYND CHIP R		
–			R92-0670-05	CHIP R 0 OHM		
R2			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R3		⁎	RD41DB2B470J	CYLND CHIP R 47 J 1/8W		
R4			RD41DB2B224J	CYLND CHIP R 220K J 1/8W		
R5			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R7		⁎	RD41DB2B331J	CYLND CHIP R 330 J 1/8W		
R8			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R9			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R10		⁎	RD41DB2B331J	CYLND CHIP R 330 J 1/8W		
R11			RD41DB2B330J	CYLND CHIP R 33 J 1/8W		
R12			RD41DB2B471J	CYLND CHIP R 470 J 1/8W		
R13			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R14		⁎	RK73FB2A331J	CHIP R 330 J 1/10W		
R15			RD41DB2B224J	CYLND CHIP R 220K J 1/8W		
R16 ,17			RD41DB2B683J	CYLND CHIP R 68K J 1/8W		
R18			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R19			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R20			RD41DB2B512J	CYLND CHIP R 5.1K J 1/8W		
R21			RD41DB2B822J	CYLND CHIP R 8.2K J 1/8W		
R22			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R23			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R24			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R25			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R26			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R27			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R28			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R29			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R30			RD41DB2B683J	CYLND CHIP R 68K J 1/8W		
R31			RK73FB2A473J	CHIP R 47K J 1/10W		
R32			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R33			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R34			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R36		⁎	RK73FB2A202J	CHIP R 2.0K J 1/10W		
R38			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R39			RD41DB2B512J	CYLND CHIP R 5.1K J 1/8W		
R40			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R42			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R43 ,44			RD41DB2B332J	CYLND CHIP R 3.3K J 1/8W		
R45 ,46			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R47			RD41DB2B182J	CYLND CHIP R 1.8K J 1/8W		
R48		⁎	RK73FB2A511J	CHIP R 510 J 1/10W		
R49			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R50			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R51 ,52			RK73FB2A472J	CHIP R 4.7K J 1/10W		

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R53			RD41DB2B683J	CYLND CHIP R 68K J 1/8W		
R54			RK73FB2A101J	CHIP R 100 J 1/10W		
R55			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R56			RK73FB2A104J	CHIP R 100K J 1/10W		
R57 ,58			RK73FB2A223J	CHIP R 22K J 1/10W		
R59 ,60			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R61 ,62		*	RD41DB2B560J	CYLND CHIP R 56 J 1/8W		
R63 ,64			RD41DB2B564J	CYLND CHIP R 560K J 1/8W		
R65 ,66			RK73FB2A682J	CHIP R 6. 8K J 1/10W		
R67 ,68			RK73FB2A154J	CHIP R 150K J 1/10W		
R78			RK73FB2A223J	CHIP R 22K J 1/10W		
R71			RK73FB2A682J	CHIP R 6. 8K J 1/10W		
R72			RK73FB2A104J	CHIP R 100K J 1/10W		
R74			RK73FB2A682J	CHIP R 6. 8K J 1/10W		
R75 -78			RK73FB2A223J	CHIP R 22K J 1/10W		
R79			RD41DB2B332J	CYLND CHIP R 3. 3K J 1/8W		
R80			RK73FB2A332J	CHIP R 3. 3K J 1/10W		
R81 ,82		*	RK73FB2A163J	CHIP R 16K J 1/10W		
R83 ,84			RK73FB2A332J	CHIP R 3. 3K J 1/10W		
R85 ,86		*	RK73FB2A474J	CHIP R 470K J 1/10W		
R87 ,88		*	RK73FB2A432J	CHIP R 4. 3K J 1/10W		
R89 ,90		*	RK73FB2A913J	CHIP R 91K J 1/10W		
R91 ,92		*	RK73FB2A202J	CHIP R 2. 0K J 1/10W		
R93 ,94		*	RK73FB2A512J	CHIP R 5. 1K J 1/10W		
R95 ,96			RK73FB2A473J	CHIP R 47K J 1/10W		
R97 ,98		*	RK73FB2A202J	CHIP R 2. 0K J 1/10W		
R99 ,100		*	RK73FB2A183J	CHIP R 18K J 1/10W		
R101,102		*	RK73FB2A244J	CHIP R 240K J 1/10W		
R103,104		*	RK73FB2A204J	CHIP R 200K J 1/10W		
R105,106			RK73FB2A224J	CHIP R 220K J 1/10W		
R107,108			RK73FB2A392J	CHIP R 3. 9K J 1/10W		
R109,110			RK73FB2A224J	CHIP R 220K J 1/10W		
R111,112		*	RK73FB2A204J	CHIP R 200K J 1/10W		
R113,114		*	RK73FB2A361J	CHIP R 360 J 1/10W		
R115,116			RK73FB2A392J	CHIP R 3. 9K J 1/10W		
R117,118		*	RK73FB2A511J	CHIP R 510 J 1/10W		
R120			RD41DB2B102J	CYLND CHIP R 1. 0K J 1/8W		
R121,122			RD41DB2B392J	CYLND CHIP R 3. 9K J 1/8W		
R123-125			RK73FB2A223J	CHIP R 22K J 1/10W		
R126			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R127,128			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R129-132		*	RD41DB2B273J	CYLND CHIP R 27K J 1/8W		
R133-136			RD41DB2R822J	CYLND CHIP R 8. 2K J 1/8W		
R137,138			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R139			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R140-143			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R144			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R145			RD41DB2B472J	CYLND CHIP R 4. 7K J 1/8W		
R146			RD41DB2B682J	CYLND CHIP R 6. 8K J 1/8W		
R147			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R148			RD41DB2B472J	CYLND CHIP R 4. 7K J 1/8W		
R149			RD41DB2B682J	CYLND CHIP R 6. 8K J 1/8W		
R150			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R151			RD41DB2B472J	CYLND CHIP R 4. 7K J 1/8W		
R152			RD41DB2B682J	CYLND CHIP R 6. 8K J 1/8W		

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R153			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R159,160		*	RD41DB2B820J	CYLND CHIP R 82 J 1/8W		
R161			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R162			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R165,166			RD41DB2B203J	CYLND CHIP R 20K J 1/8W		
R167,168			RD41DB2B682J	CYLND CHIP R 6.8K J 1/8W		
R169,170			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R171,172			RD41DB2B333J	CYLND CHIP R 33K J 1/8W		
R173,174			RD41DB2B181J	CYLND CHIP R 180 J 1/8W		
R175,176			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R177,178			RD41DB2B152J	CYLND CHIP R 1.5K J 1/8W		
R179-182		*	RD41DB2B2R2J	CYLND CHIP R 2.2 J 1/8W		
R184			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
VR1			R12-3100-05	TRIMMING POT.(10K)SEPARATION		
VR2			R12-3103-05	TRIMMING POT.(47K)PILOT		
VR3 ,4			R12-3101-05	TRIMMING POT.(22K)DOLBY		
VR5	1D	*	R13-3025-05	POTENTIOMETER(20K)FADER PRE		
VR6	1D	*	R13-0021-05	POTENTIOMETER(100K)FADER PWR		
S1			S31-2075-05	SLIDE SWITCH		
D1			ERZ-D03DK331	SURGE ABSORBER		
D2 ,3			DAN202K	DIODE		
D4			DAP202K	DIODE		
D9 ,10			RLS-73	DIODE		
D11			DAP202K	DIODE		
D12 ,13			DAN202K	DIODE		
D14 -18			RLS-73	DIODE		
D23 ,24			ERA15-01Y1	DIODE		
D25 ,26			MTZ10J	ZENER DIODE		
D25 ,26			RD10JS(B)	ZENER DIODE		
D27 -30			RLS-73	DIODE		
D32			1SS53	DIODE		
D32			1S1555	DIODE		
D32			1S2076	DIODE		
IC1			LA1140	IC(FM IF/DETECTION)		
IC2			KC-820A	IC(NOISE CANCELLER)		
IC3		*	LA3430	IC(FM MPX)		
IC4			BA3406L	IC(PREAMP FOR TAPE EQ X2)		
IC5			CX20078L	IC(DOLBY B/C NOISE REDUCTION)		
IC6			CX20077L	IC(DOLBY B/C NOISE REDUCTION)		
IC7			AN6556S	IC(OP AMP X2)		
IC7			NJM4558M	IC(OP AMP X2)		
IC8			UPD4081BG	IC(AND X4)		
IC9			UPD4011BG	IC(NAND X4)		
IC10,11			MB84013BPF	IC(D FLIP-FLOP X2)		
IC10,11			UPD4013BG	IC(D FLIP-FLOP X2)		
IC12			NJM2041M	IC(OP AMP X2)		
IC13			LA4461	IC(AF POWER AMP/ 12W)		
IC14			LA4460	IC(AF POWER AMP/ 12W)		
Q1 ,2			2SC2412K	TRANSISTOR		
Q3		*	2SC2413K	TRANSISTOR		
Q4			2SC2412K	TRANSISTOR		
Q6 -10			DTC124EK	DIGITAL TRANSISTOR		
Q11 -14			2SD1469F	TRANSISTOR		
Q15			DTC124EFF	DIGITAL TRANSISTOR		

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Q17			2SD973	TRANSISTOR		
Q18			2SC2021F	TRANSISTOR		
Q19			2SB1015	TRANSISTOR		
246	2D	*	W02-0661-05	FM FRONT-END ASSY		
SYNTHESIZER (X14-1S40-10)						
PL1		*	B30-1108-05	LAMP (16V 40MA)		
C1			CE04CW1A470M	ELECTRO 47UF 10WV		
C2			CE04CW1A330M	ELECTRO 33UF 10WV		
C3			CE04CW0J101M	ELECTRO 100UF 6.3WV		
C4			C90-0478-05	ELECTRO 10UF 16WV		
C5			CE04CW1C100M	ELECTRO 10UF 16WV		
C6			CE04CW0J101M	ELECTRO 100UF 6.3WV		
C7			CE04CW1A470M	ELECTRO 47UF 10WV		
C9 -12			C90-0482-05	ELECTRO 4.7UF 25WV		
C13 ,14			CK41DB1H101K	CYLND CHIP C 100PF K		
C15 -18			CE04CW1C100M	ELECTRO 10UF 16WV		
C19 -22			CE04CW1HR47M	ELECTRO 0.47UF 50WV		
C23 ,24			CE04CW1A220M	ELECTRO 22UF 10WV		
C25			CE04CW1C100M	ELECTRO 10UF 16WV		
C26			CE04CW1C220M	ELECTRO 22UF 16WV		
C27 ,20			CE04CW1C100M	ELECTRO 10UF 16WV		
C29			C90-1263-05	ELECTRO 100UF 16WV		
C30 ,31			CE04CW1C100M	ELECTRO 10UF 16WV		
C32			C93-0012-05	CYLND CHIP C 0.01UF M		
C33			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C34			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C35			CE04CW1A470M	ELECTRO 47UF 10WV		
C36			C90-1263-05	ELECTRO 100UF 16WV		
C37			C90-0496-05	ELECTRO 100UF 6.3WV		
C38			C93-0012-05	CYLND CHIP C 0.01UF M		
C39 ,40		*	CC73FCH1H330J	CHIP C 33PF J		
C41			CE04CW1H0R1M	ELECTRO 0.1UF 50WV		
C42			CF92V1H223J	MF 0.022UF J		
C43			CE04CW1V2R2M	ELECTRO 2.2UF 35WV		
C44			C93-0012-05	CYLND CHIP C 0.01UF M		
C45			CE04CW1C100M	ELECTRO 10UF 16WV		
C46			C90-0478-05	ELECTRO 10UF 16WV		
C47 ,48			C93-0012-05	CYLND CHIP C 0.01UF M		
C49 ,50			C90-1263-05	ELECTRO 100UF 16WV		
C51			C93-0012-05	CYLND CHIP C 0.01UF M		
C53 ,54			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C55			C93-0012-05	CYLND CHIP C 0.01UF M		
C56			C90-0872-05	ALMINIUM ELECTROLYTIC C.		
C57			C93-0012-05	CYLND CHIP C 0.01UF M		
C58			CE04CW1C4R7M	ELECTRO 4.7UF 16WV		
C59			CE04CW1C470M	ELECTRO 47UF 16WV		
C60			CE04CW1H010M	ELECTRO 1.0UF 50WV		
C61			CE04CW1V2R2M	ELECTRO 2.2UF 35WV		
C62			CE04CW1A470M	ELECTRO 47UF 10WV		
C63			CE04CW1V2R2M	ELECTRO 2.2UF 35WV		
C64			CE04CW1C100M	ELECTRO 10UF 16WV		
C65 ,66			CE04CW1H0R1M	ELECTRO 0.1UF 50WV		

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X1			L77-0585-05	CRYSTAL RESONATOR(4.5MHZ)		
			R92-0338-05	CLYND CHIP R		
R1			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R2 ,3			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R4			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R5			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R7			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R8 ,9			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R10 ,11			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R12 ,13			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R16			RD41DB2B303J	CYLND CHIP R 30K J 1/8W		
R19 -22			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R23 ,24			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R25 ,26			RD41DB2B332J	CYLND CHIP R 3.3K J 1/8W		
R27 ,28		*	RD41DB2B821J	CYLND CHIP R 820 J 1/8W		
R29 ,30			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R31 -34			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R35			RD41DB2B224J	CYLND CHIP R 220K J 1/8W		
R36			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R37			RD41DB2B224J	CYLND CHIP R 220K J 1/8W		
R38 ,39			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R41			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R42			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R44			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R45			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R46			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R47			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R50			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R51		*	RS14DB3D151J	FL-PROOF RS 150 J 2W		
R52			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R53			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R54			RD41DB2B562J	CYLND CHIP R 5.6K J 1/8W		
R55			RD41DB2B470J	CYLND CHIP R 47 J 1/8W		
R56			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R57			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R58			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R59			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R60			RD41DB2B470J	CYLND CHIP R 47 J 1/8W		
R61			RD41DB2B562J	CYLND CHIP R 5.6K J 1/8W		
R62			RD41DB2B563J	CYLND CHIP R 56K J 1/8W		
R63			RD41DB2B153J	CYLND CHIP R 15K J 1/8W		
R64			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R65			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R66			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R67			RD41DB2B682J	CYLND CHIP R 6.8K J 1/8W		
R68			RD41DB2B123J	CYLND CHIP R 12K J 1/8W		
R69 ,70			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R71			RD41DB2B332J	CYLND CHIP R 3.3K J 1/8W		
R72			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R73			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R74			RD41DB2B102J	CYLND CHIP R 1.0K J 1/8W		
R76			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R77 ,78			RD14DB2H330J	SMALL-RD 33 J 1/2W		
R79 -82			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		

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R83			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R84			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R86			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R88			RD41DB2B331J	CYLND CHIP R 330 J 1/8W		
R89 --93			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R94			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R96			RD41DB2B183J	CYLND CHIP R 18K J 1/8W		
R97			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R98			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R99			RD41DB2B220J	CYLND CHIP R 22 J 1/8W		
R100			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R101			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R102			RD41DB2B474J	CYLND CHIP R 470K J 1/8W		
R103,104			RD41DB2B333J	CYLND CHIP R 33K J 1/8W		
R105			RD41DB2B683J	CYLND CHIP R 68K J 1/8W		
R107-110			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R111			RD41DB2B564J	CYLND CHIP R 560K J 1/8W		
R112			RD41DB2B563J	CYLND CHIP R 56K J 1/8W		
R113			RD41DB2B223J	CYLND CHIP R 22K J 1/8W		
R114			RD41DB2B683J	CYLND CHIP R 68K J 1/8W		
R116			RD41DB2B101J	CYLND CHIP R 100 J 1/8W		
R117			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R118		*	RD41DB2B394J	CYLND CHIP R 390K J 1/8W		
R128			RD41DB2B152J	CYLND CHIP R 1.5K J 1/8W		
R132			RD41DB2B122J	CYLND CHIP R 1.2K J 1/8W		
R133			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R134-140			RD41DB2B100J	CYLND CHIP R 10 J 1/8W		
R141		*	RD41DB2B151J	CYLND CHIP R 150 J 1/8W		
R142			RD41DB2B122J	CYLND CHIP R 1.2K J 1/8W		
R143		*	RD41DB2B561J	CYLND CHIP R 560 J 1/8W		
R144-153			RD41DB2B471J	CYLND CHIP R 470 J 1/8W		
R154			RD41DB2B333J	CYLND CHIP R 33K J 1/8W		
R155			RD41DB2B564J	CYLND CHIP R 560K J 1/8W		
VR1			R12-1070-05	TRIMMING POT.(1K) METER LVL		
VR2 ,3			R12-3099-05	TRIMMING POT.(47K) STOP LVL		
D1 ,2			RLS-73	DIODE		
D3			DAN202K	DIODE		
D4			RLS-73	DIODE		
D5			DAN202K	DIODE		
D6			RLS-73	DIODE		
D7			MTZ6.2J	ZENER DIODE		
D7			RD6.2JS(B)	ZENER DIODE		
D8			1SS53	DIODE		
D8			1S1555	DIODE		
D8			1S2076	DIODE		
D9			MTZ5.6J	ZENER DIODE		
D9			RD5.6JS(B)	ZENER DIODE		
D10			MTZ6.2J	ZENER DIODE		
D10			RD6.2JS(B)	ZENER DIODE		
D11 -14			RLS-73	DIODE		
D15			MTZ6.2J	ZENER DIODE		
D15			RD6.2JS(B)	ZENER DIODE		
D16			DSM1A1	DIODE		
D17			1SS101	DIODE		
D18 --21			RLS-73	DIODE		

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D24			RLS-73	DIODE		
D25			ERA15-01Y1	DIODE		
D26			DAN202K	DIODE		
D27			RLS-73	DIODE		
D28			1SS53	DIODE		
D28			1S1555	DIODE		
D28			1S2076	DIODE		
D29 -32			RLS-73	DIODE		
D33			1SS53	DIODE		
D33			1S1555	DIODE		
D33			1S2076	DIODE		
D34 -40			RLS-73	DIODE		
D41			ERA15-01Y1	DIODE		
IC1			TC9153AP	IC(2CH ELECTRONIC VOLUME)		
IC2			AN6556S	IC(OP AMP X2)		
IC2			NJM4558M	IC(OP AMP X2)		
IC3			LB1417	IC(7PT LED DRIVER)		
IC4			UPD1710G-027-00	IC(DIGITAL TUNING SYSTEM)		
IC5 ,6			UPA81C	IC(7CH LED DRIVER)		
IC7			TD62506P	IC(7CH TRANSISTOR ARRAY)		
IC8			UPB553AC	IC(PRE SCALER)		
IC9			UPD4081BG	IC(AND X4)		
IC10			BA685	IC(5PT IND/LEVEL METER DRIVER)		
IC11			LA2000	IC(AUDIO LEVEL SENSOR)		
Q1 -4			2SC2412K	TRANSISTOR		
Q5 ,6			DTA124EK	DIGITAL TRANSISTOR		
Q7			DTC124EK	DIGITAL TRANSISTOR		
Q8 ,9			DTA124EK	DIGITAL TRANSISTOR		
Q10 ,11			DTC124EK	DIGITAL TRANSISTOR		
Q12			2SB822F	TRANSISTOR		
Q13			DTC124EK	DIGITAL TRANSISTOR		
Q14			2SB822F	TRANSISTOR		
Q15			2SC2412K	TRANSISTOR		
Q16			DTA124EK	DIGITAL TRANSISTOR		
Q17 ,18			DTC124EK	DIGITAL TRANSISTOR		
Q19 -21			2SC2412K	TRANSISTOR		
Q22			DTA124EK	DIGITAL TRANSISTOR		
Q23			DTC124EK	DIGITAL TRANSISTOR		
Q24			2SA874F	TRANSISTOR		
Q25			DTC124EK	DIGITAL TRANSISTOR		
Q26			2SA874F	TRANSISTOR		
Q27			DTC124EK	DIGITAL TRANSISTOR		
Q28			DTA124EK	DIGITAL TRANSISTOR		
Q29			2SC2412K	TRANSISTOR		
Q30			DTC124EK	DIGITAL TRANSISTOR		
Q31			DTA124EK	DIGITAL TRANSISTOR		
Q32			2SC2412K	TRANSISTOR		
Q33			DTC124EK	DIGITAL TRANSISTOR		
Q34 ,35			2SC2412K	TRANSISTOR		
Q36			DTA124EK	DIGITAL TRANSISTOR		
Q37 -39			DTC124EK	DIGITAL TRANSISTOR		
251	3D		W02-0608-05	TUNER ASSY		

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ELECTRIC(X25-2480-10)						
C1			C91-0769-05	CERAMIC 0.01UF M		
C2			C93-0012-05	CYLND CHIP C 0.01UF M		
C3			CE04CW0J101M	ELECTRO 100UF 6.3WV		
C4			CQ92M1H682J	MYLAR 6800PF J		
C5 ,6			C93-0008-05	CYLND CHIP C 4700PF M		
C7			C93-0012-05	CYLND CHIP C 0.01UF M		
C8			CE04CW1A220M	ELECTRO 22UF 10WV		
C11			CE04CW1C470M	ELECTRO 47UF 16WV		
C12			CE04CW0J470M	ELECTRO 47UF 6.3WV		
			R92-0338-05	CLYND CHIP R		
R1			RD41DB2B333J	CYLND CHIP R 33K J 1/8W		
R2 ,3			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R4			RD41DB2B333J	CYLND CHIP R 33K J 1/8W		
R5			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R6 ,7			RD41DB2B334J	CYLND CHIP R 330K J 1/8W		
R8			RD41DB2B104J	CYLND CHIP R 100K J 1/8W		
R9 ,10			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R11			RD41DB2B824J	CYLND CHIP R 820K J 1/8W		
R12			RD41DB2B181J	CYLND CHIP R 180 J 1/8W		
R13		*	RD41DB2B121J	CYLND CHIP R 120 J 1/8W		
R14 -16			RD41DB2B332J	CYLND CHIP R 3.3K J 1/8W		
R17			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
R18			RD41DB2B222J	CYLND CHIP R 2.2K J 1/8W		
R19			RD41DB2B473J	CYLND CHIP R 47K J 1/8W		
R20			RD41DB2B472J	CYLND CHIP R 4.7K J 1/8W		
R21 -23			RD41DB2B103J	CYLND CHIP R 10K J 1/8W		
D1 ,2			RLS-73	DIODE		
D3 ,4			DAN202K	DIODE		
D5			DAP202K	DIODE		
D6 ,7			RLS-73	DIODE		
D8 -11			ERA15-01Y1	DIODE		
IC1		*	TC9310N-036	IC(MICROPROCESSOR)		
IC2		*	UPD4584BG	IC(INVERTER X6)		
IC3			UPD4030BG	IC(EXCLUSIVE OR X4)		
Q1 -3			2SC2411K	TRANSISTOR		
Q4			DTC124EK	DIGITAL TRANSISTOR		
Q5			2SB822F	TRANSISTOR		
SUB(X25-2550-10)						
C1			CE04CW1A101M	ELECTRO 100UF 10WV		
D1 ,2			1SS176	DIODE		
D1 ,2			1S1555	DIODE		
D1 ,2			1S2076	DIODE		
CASSETTE MECHANISM ASS'Y(D40-0345-05)						
4	3A	*	D03-0249-08	REEL DISK ASSY		
5	3B	*	D10-1587-08	LEVER ASSY (FR ARM)		
6	1A	*	D10-1588-08	LEVER ASSY (P.R ARM)F		
7	1B	*	D10-1589-08	LEVER ASSY (P.R ARM)R		
8	3A	*	D10-1590-08	LEVER ASSY (POWER ARM)		
9	2A	*	D10-1591-08	LEVER ASSY (MODE PLATE)		
10	1B	*	D10-1606-08	LEVER ASSY (SELECT ARM)		
11	1B	*	D10-1607-08	LEVER ASSY (POWER PLATE)		

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PARTS LIST

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
12	1B	⁎	D10-1608-08	LEVER ASSY (CHIP ARM)		
13	2A	⁎	D10-1592-08	LEVER ASSY (T CRANK)		
14	2B	⁎	D10-1593-08	LEVER ASSY (TIMING ARM)		
15	1A	⁎	D10-1594-08	ARM (HOUSING ARM)		
16	3A	⁎	D13-0322-08	GEAR ASSY (REEL PUSH)		
17	3B	⁎	D13-0321-08	GEAR ASSY (FF GEAR)		
18	2B	⁎	D13-0323-08	GEAR ASSY (RVS GEAR)		
19	2B	⁎	D13-0324-08	GEAR ASSY (EJ GEAR)		
20	3B	⁎	D01-0083-08	FLYWHEEL ASSY		
21	3A	⁎	D15-0240-08	PULLEY ASSY (TENSION PULLEY)		
25	2B	⁎	D10-1595-08	LEVER (RVS PLATE)		
26	2A	⁎	D10-1596-08	LEVER (FF PLATE)		
27	2A	⁎	D10-1597-08	LEVER (BRAKE PLATE)F		
28	2B	⁎	D10-1598-08	LEVER (BRAKE PLATE)R		
29	2A	⁎	J19-2620-08	BRACKET (PLUNGER)AT		
30	2B	⁎	J19-2621-08	BRACKET (PLUNGER)B		
31	2B	⁎	D10-1609-08	ARM (TRIGGER PLATE)		
32	3B	⁎	D10-1610-08	ARM (RVS TRIGGER)		
33	2B	⁎	D10-1611-08	LEVER (EJ PLATE)		
34	2B	⁎	D10-1612-08	LEVER ASSY (RESET PLATE)		
35	1B	⁎	J19-2624-08	BRACKET		
36	1B	⁎	D10-1599-08	ARM (ADJUSTER)		
37	1A	⁎	G02-0383-08	PLATE SPRING		
38	1A	⁎	J19-2622-08	HOLDER (CASSETTE HOSING)		
39	3B	⁎	D10-1600-08	ARM (GEAR SHAFT GUIDE)		
40	1A	⁎	J19-2623-08	BRACKET (TRO)		
41	1A	⁎	D10-1601-08	ARM (OVER CENTER PLATE)		
42	2B	⁎	D10-1613-08	LEVER (SLIDE PLATE)		
43	2A	⁎	D10-1602-08	SLIDER (PLUNGER BUFFER)		
45	2A	⁎	D10-1603-08	ARM (FF CRANK)		
46	1B	⁎	D10-1604-08	ARM (AZIMUTH ARM)		
47	1B	⁎	D14-0137-08	ROLLER (H/P) C		
48	1A	⁎	J90-0162-08	GUIDE (CATCH)		
49	1A	⁎	D14-0138-08	ROLLER (H/A)		
50	3A,3B	⁎	D13-0318-08	GEAR (IDLER)		
51	3A	⁎	B09-0056-08	CAP (REEL DRIVER)		
52	3A	⁎	D13-0319-08	GEAR (/15.2)		
53	3B	⁎	D13-0320-08	GEAR (INPUT)		
54	2B	⁎	D13-0325-08	GEAR (A)		
55	3B	⁎	D13-0326-08	GEAR (B)		
56	3B	⁎	D13-0327-08	GEAR (C)		
57	3B	⁎	D13-0328-08	GEAR (MODE)		
60	2A	⁎	D14-0139-08	ROLLER (TIMING/A)		
61	2A	⁎	D21-1118-08	SHAFT (FF CRANK)		
62	2A	⁎	D14-0140-08	ROLLER (H/P ROLLER) A		
63	2A	⁎	D14-0141-08	ROLLER (H/P ROLLER) B		
64	2B	⁎	D14-0142-08	ROLLER (MODE)		
65	2B	⁎	J30-0214-08	SPACER		
66	2A	⁎	J32-0303-08	STUD		
67	1B	⁎	N09-1583-08	SCREW		
70	1A	⁎	G01-1794-08	TORSION SPRING (P.R ARM) F		
71	1B	⁎	G01-1795-08	TROSION SPRING (P.R ARM) R		
72	1A	⁎	G01-1796-08	TENSION SPRING (H/P)		
73	2B	⁎	G01-1797-08	TENSION SPRING (IDLER)		
74	3A	⁎	G01-1798-08	TORSION SPRING (FF ARM)		

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Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Ra-marks 備考
75	2A,2B	*	G01-1799-08	TENSION SPRING (BRAKE)		
76	2B	*	G01-1805-08	TORSION SPRING (TRIGGER)		
77	3B	*	G01-1806-08	TENSION SPRING (RVS/T)		
78	1B	*	G01-1807-08	TENSION SPRING (CHIP ARM)		
79	2B	*	G01-1008-08	TENSION SPRING (STARTER)		
80	2B	*	G01-1809-08	TENSION SPRING (EJ/P)		
81	2B	*	G01-1810-08	TENSION SPRING (RESET/P)		
82	3A	*	G01-1793-08	COMPRESSION SPRING (SLEEVE)		
83	1B	*	G01-1800-08	COMPRESSION SPRING (AZIMUTH LO	CK)	
84	2A	*	G01-1801-08	TENSION SPRING (POWER)		
85	2B	*	G01-1802-08	TORSION SPRING (TIMING ARM)		
86	1A	*	G01-1803-08	TORSION SPRING (REVERSE)		
87	2B	*	G01-1823-08	TENSION SPRING		
88	2A	*	G01-1804-08	TENSION SPRING (BUFFER)		
89	2A	*	G11-1145-08	CUSHION (CH)		
90	3B	*	D16-0127-08	BELT		
91	1A	*	D10-1605-08	ROD (OVER CENTER RO	D)	
92	1B	*	N09-1584-08	SCREW (AZIMUTH)		
93	2A	*	J30-0213-08	SPACER (T)		
94	1B	*	G11-1144-08	SOFT TAPE		
95	1A	*	T43-0047-08	MOTOR ASSY		
96	1A	*	T31-0032-08	PLAYBACK HEAD		
100	1B	*	S46-1077-08	LEAF SWITCH (MLS-2)		
101	1B	*	S46-1078-08	LEAF SWITCH (MLS-4)		
102	1B	*	S31-4020-08	SLIDE SWITCH (HEAD)		
183	2A,2B	*	T94-0094-08	SOLENOID (PLUNGER)		
104	2A	*	T94-0092-08	SOLENOID (PLUNGER)		
105	2A	*	T94-0093-08	SOLENOID (PLUNGER)		
110	1B	*	N09-1585-08	SCREW (M1.7X7)		
111	2A	*	N09-1586-08	SCREW (M2X5.5)		
112	1B	*	N09-1587-00	SCREW (M2X3)		
113	2B	*	N09-1588-08	SCREW (M2X5)		
115	1A,2A	*	N09-1589-08	SCREW (M2X4)		
116	2B	*	N09-1590-08	SCREW (M2X5)		
120	2A,3B		N24-3012-41	E TYPE RETAINING RING (/1.2)		
121	2A,2B		N24-3015-41	E TYPE RETAINING RING (/1.5)		
122	2A,2B	*	N29-0097-08	E TYPE RETAINING RING (/1.6X3.	5)	
123	1A		N24-3025-41	E TYPE RETAINING RING (/2.5)		
124	3A,1B		N24-3030-41	E TYPE RETAINING RING (/3)		
130	3A,3B	*	N19-0374-05	FLAT WASHER (/1.2X3X.25)		
131	3A,3B	*	N19-0375-05	FLAT WASHER (/1.6X3.2X.25)		
132	3B	*	N19-0787-08	FLAT WASHER (/1.6X3.2X.5)		
133	2B,3B	*	N19-0988-08	FLAT WASHER (/2.1X3.5X.25)		
134	3A,3B	*	N19-0789-08	FLAT WASHER (/2.1X4X.25)		
135	3A	*	N19-0990-08	FLAT WASHER (/2.1X4X.25)		
136	3B	*	N19-0991-08	FLAT WASHER (/2.1X4X.5)		
150	3A	*	D03-0248-08	REEL DISK ASSY		
151	1B		J25-4768-08	PRINTED WIRING BOARD		
152	2B	*	A11-0179-08	SUB CHASSIS ASSY		
–		*	J61-0077-08	WIRE BAND		
SCREW SET(N99-0099-05)						
–			N09-0335-05	TAPPING SCREW (5X6)		
–			N09-0366-05	HEX. BOLT (M5X20)		
–			N10-1050-46	HEX. NUT (M5)		
–			N14-0117-05	FLANGE NUT (M5)		
–			N15-1050-46	WASHER (5X12X0.8)		

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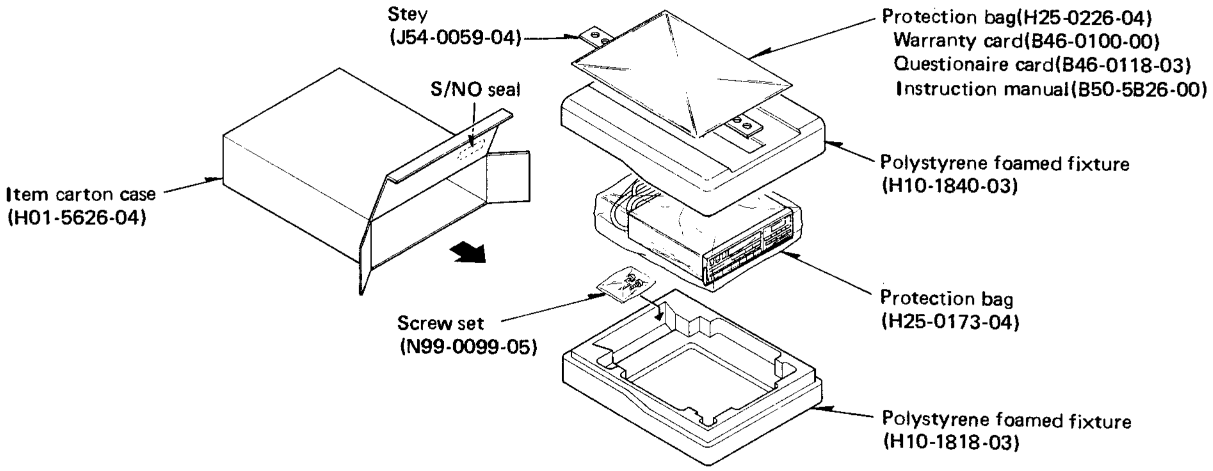
PACKING/SPECIFICATIONS


Stey
(J54-0059-04)
S/NO seal
Protection bag(H25-0226-04)
Warranty card(B46-0100-00)
Questionaire card(B46-0118-03)
Instruction manual(B50-5826-00)
Item carton case
(H01-5626-04)
Polystyrene foamed fixture
(H10-1840-03)
Protection bag
(H25-0173-04)
Screw set
(N99-0099-05)
Polystyrene foamed fixture
(H10-1818-03)

SPECIFICATIONS

Specification subject to change without notice. (*...EIA Standard)

FM Tuner Section

Frequency Range	87.9 MHz — 107.9 MHz
Channel Space	200 kHz
*Usable Sensitivity	14.8 dBf (1.5 µV/75 ohms)
*50 dB Quieting Sensitivity	19.0 dBf (2.4 µV/75 ohms)
*Frequency Response	30 Hz — 15 kHz ±3 dB
Signal to Noise Ratio	70 dB
*Alternate Channel Selectivity	65 dB
*Capture Ratio	1.5 dB
*Image Response Ratio	70 dB
*IF Response Ratio	75 dB
*Stereo Separation (1 kHz)	40 dB

AM Tuner Section

Frequency Range	530 kHz — 1,620 kHz
Channel Space	10 kHz
Usable Sensitivity	30 dB (30 µV)

Cassette Deck Section

Tape Speed	4.76 cm/sec.
*Wow & Flutter	0.12% (WRMS)
Fast Winding Time	100 sec. (C-60)
*Frequency Response	30 Hz — 16 kHz ±3 dB (120 µs)
	30 Hz — 18 kHz ±3 dB (70 µs)
*Stero Separation (1 kHz)	37 dB
*Signal to Noise Ratio	NR OFF 58 dB
	Dolby-B 67 dB
	Dolby-C 73 dB

Audio Section

Max. Output Power	18 W×2 into 4 ohms, 1 kHz
Power Output	14 W×2 into 4 ohms, 1 kHz, at 10% THD
	9 W×2 into 4 ohms, 20 Hz — 20 kHz at 1% THD
*Tone Action	Bass: 100 Hz±10dB
	Treble: 10kHz±10dB
*Preamp Output Voltage	Normal: 300 mV/10 k ohms Load
	High: 1.0 V/10 k ohms Load

General

Operating Volgtage	14.4 V (11 — 16 V allowable)
Current Consumption	4.5 A at Rated Power
Body Size	180×52×155 mm
	(7-1/16×2-1/16×6-1/8in.)
Weight	5.1 lbs (2.3 kg)

Kenwood follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.
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Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

Kenwood poursuit une politique de progrès constants en ce qui concerne le dèvelopment.
Pour cette raison, les spécifications sont sujettes à modifications sans préavis.
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Kenwood strebt ständige Verbesserungen in der Entwicklung an.
Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.
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Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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